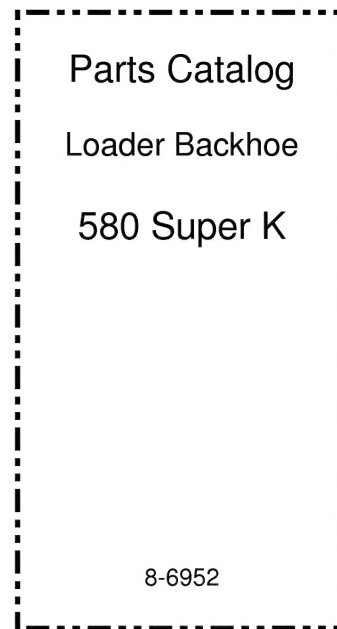


1. Trim along the dotted line
2. Slide into the pocket on the Binder spine



1. Trim along the dotted line
2. Slide into the pocket on the Binder spine

580 Super K Construction King Loader Backhoe Parts Catalog

Bur 8-6952

NOTE: This catalog replaces Bur 8-6951



B4083890R

This machine first became available March, 1991.

Bur 8-6952

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LOCATION OF SERIAL AND PRODUCT IDENTIFICATION NUMBERS

Please use the horizontal lines provided to record these important serial numbers, product identification number, and part numbers.

PRODUCT IDENTIFICATION NUMBER

(Below left-hand door on chassis)

CAB SERIAL NUMBER

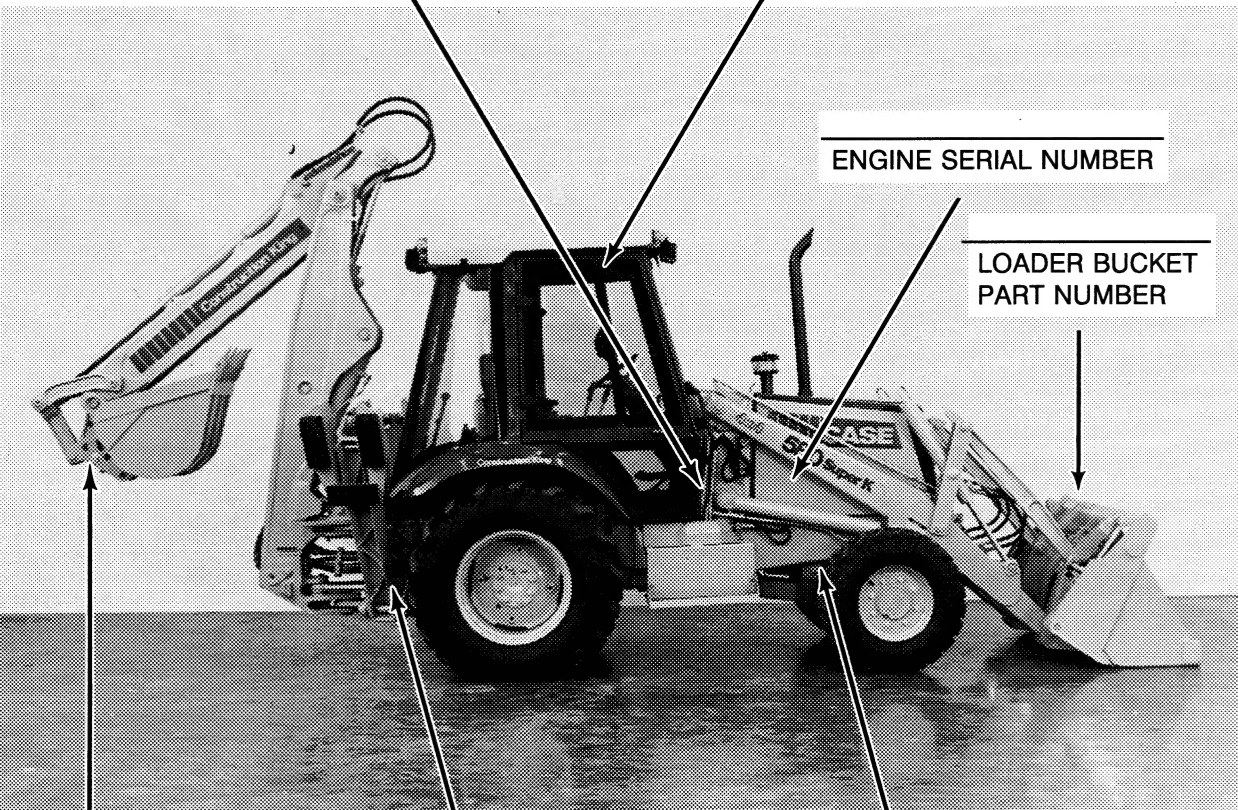
(Left-hand side of front console)

ROPS CANOPY SERIAL NUMBER

(Right-hand side of canopy)

ENGINE SERIAL NUMBER

LOADER BUCKET PART NUMBER



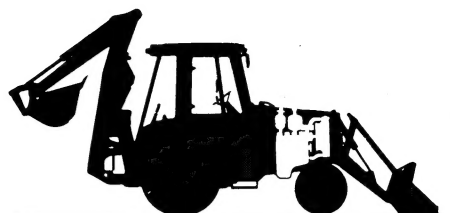
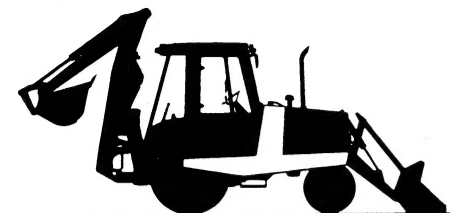





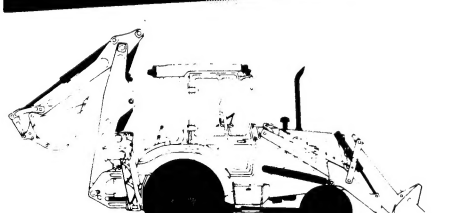
BACKHOE BUCKET PART NUMBER

TRANSAXLE SERIAL NUMBER

FRONT DRIVE AXLE SERIAL NUMBER

THREE-POINT HITCH SERIAL NUMBER

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B902024

GENERAL INFORMATION

Indexes

Section 1 of this catalog contains a SN and P.I.N. location guide, alphabetical index, pictorial index of the sections included, and pictorial index(es) for quick location of hoses and tubes (and other system components in some catalogs). An alphabetical index also appears at the beginning of each section. Section 10 is the Numerical Index which lists all part numbers in alpha/numeric order with their page location and reference number.

Illustration and Text

The arrangement of this parts catalog is for easy identification of parts. All parts are illustrated in "exploded views" in proper relation to each other. Reference numbers used in the illustrations refer to those on the text pages. The text pages list reference number, part number, part description and the quantity required.

Abbreviations

P.I.N. "Product Identification Number"

SN "Serial Number"

NSS "Not Serviced Separately" in the part number column indicates this part is not available for service. REF "Reference" in the part number column indicates this part has special service information. The page where this information can be found is given in the part description column.

UAR "Use As Required" in the quantity required column indicates the number of parts used is determined by service needs.

Right-Hand and Left-Hand Identification

The reference to right-hand and left-hand in this catalog is identified by the operator standing at the rear of the basic unit (without rear attachment), looking toward the front of the machine (in normal forward travel). For pages covering any machine attachments, right-hand and left-hand are defined by the operator sitting in the position for proper operation of the attachment.

Catalog Revisions and Supplements

Changes to the product may make it necessary to revise or add pages to this catalog. A cover sheet will list all pages released in a revision or supplement. Each new or revised page will have a new issue date. All revised and new pages must be put into the parts catalog as soon as they are received.

Parts Orders

Orders must specify product model, all necessary serial numbers, correct part number, complete description, quantity required, method of shipment, and shipping address.

Text Format Explanation

An assembly may contain many service items. The component parts of an assembly or subassembly are indented. The quantity required column lists the number of assemblies required for a complete machine, and the number of components required in a complete assembly or subassembly.

The example below illustrates the use of indents and other text page elements explained on this page.

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D43567	FILTER ASSEMBLY - hydraulic oil, P.I.N. 7534840 and after	1
	D61903	HEAD ASSEMBLY - filter	1
2	NSS	HEAD - filter, order D61903 head assembly	1
3	D58199	VALVE - bypass	1
	D43800	KIT - filter element, replaces D35700 kit	1
4	NSS	ELEMENT - filter, order D43800 element kit	1
5	A27994	O-RING - filter	1
6	D61948	HOUSING - filter	1
7	REF	CANOPY - ROPS, machinery item, order from Machinery Price List	1
8	843065C1	HOSE - 132 inch long, reservoir to pump	1
9	113-323	BOLT - hex, 7/16 NC x 1-3/4 inch	2
10	814-8030	BOLT - hex, 8 - 1.25 x 30 mm	4

A

BBPrinted in U.S.A.

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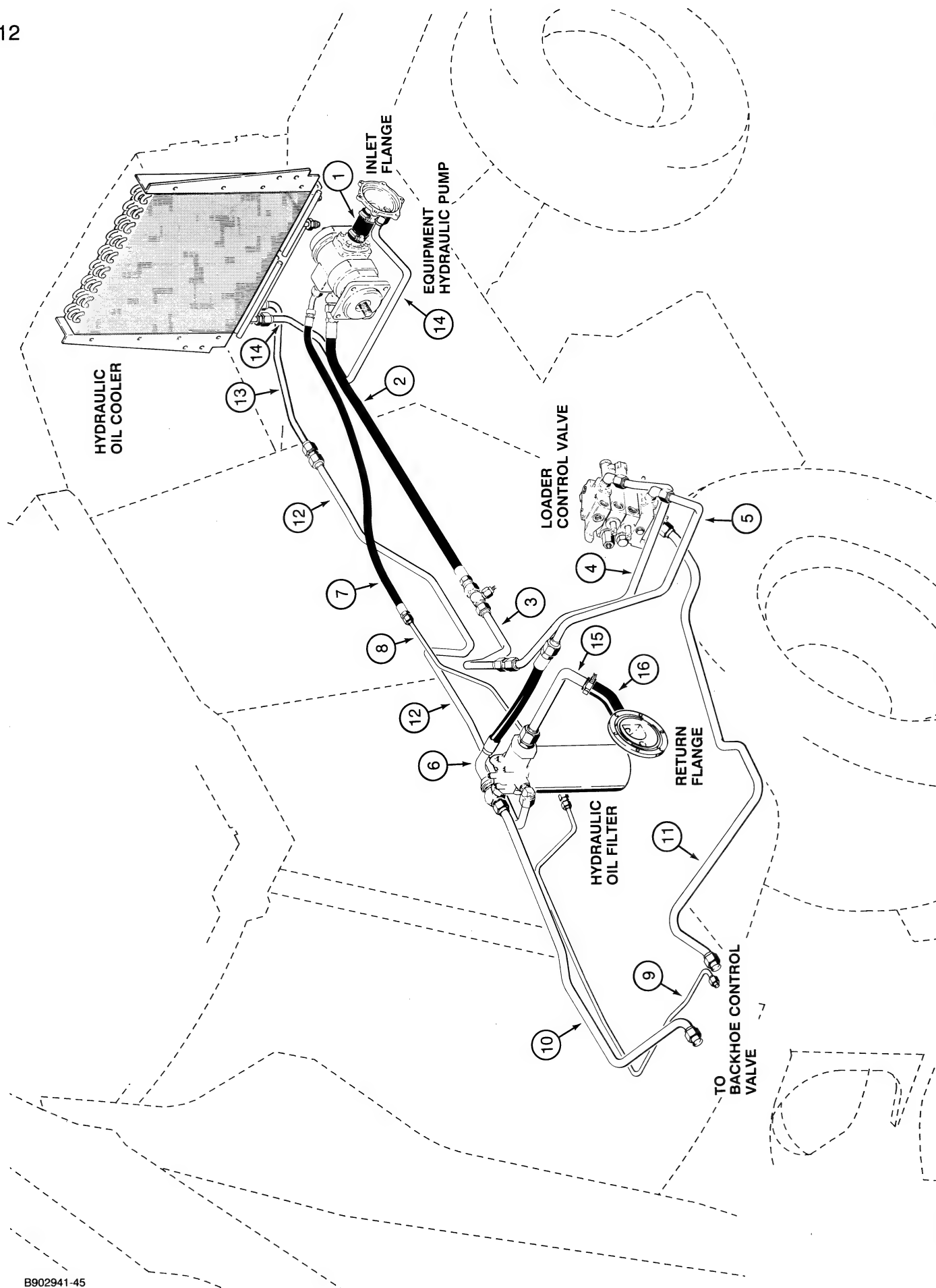
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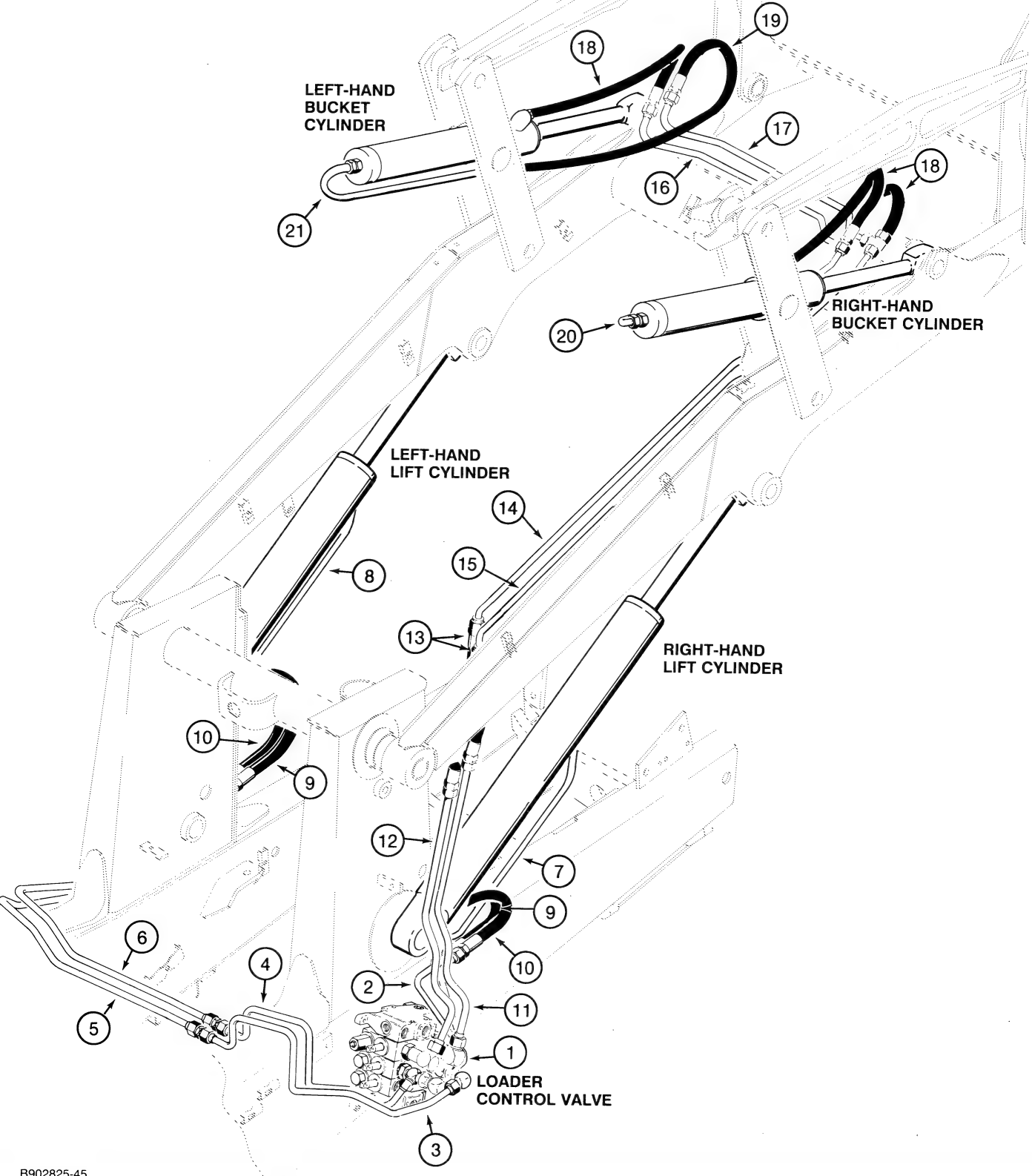
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HYDRAULIC PUMP TO OIL FILTER AND CONTROL VALVES
***WITH BACKHOE**

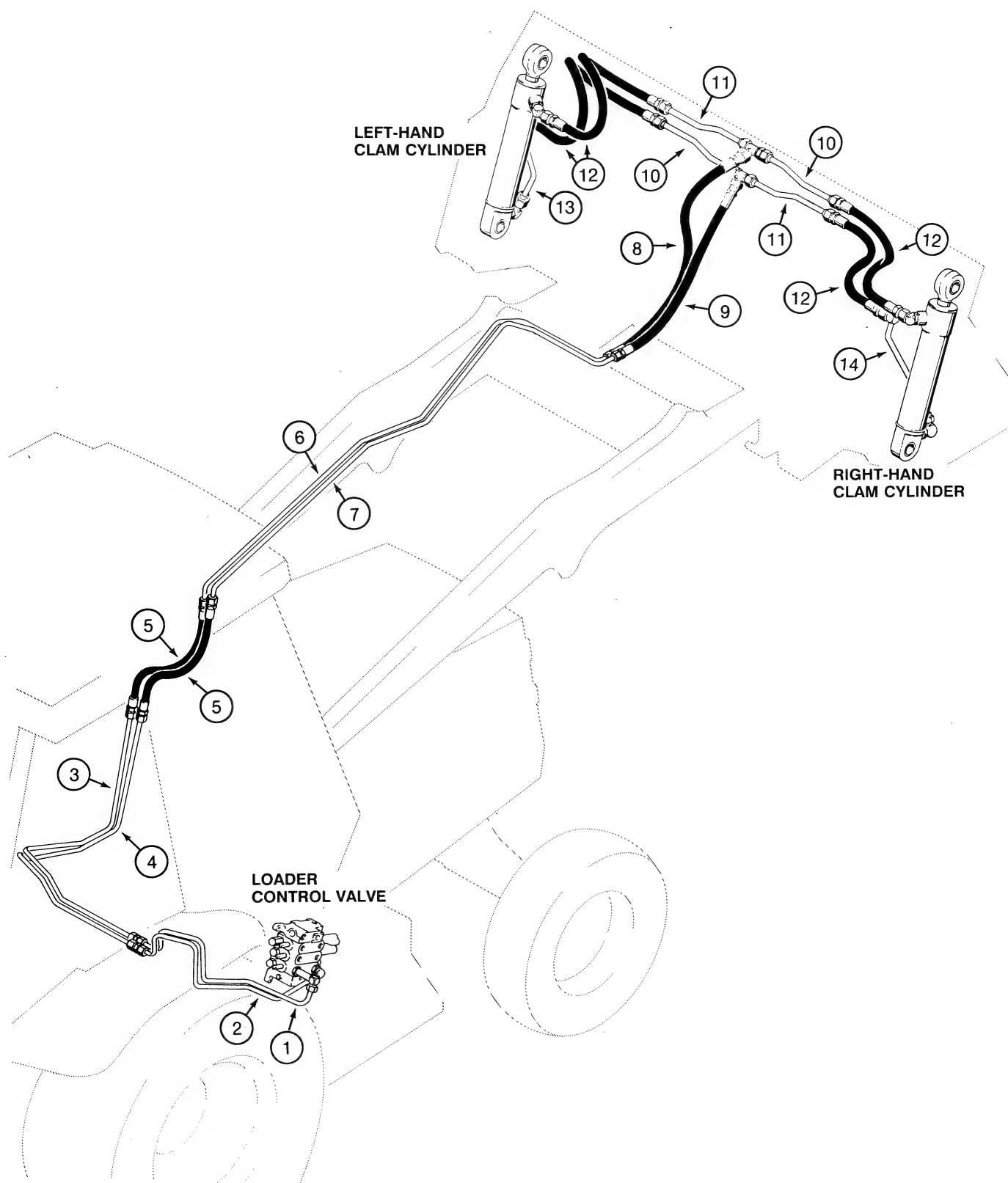
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NOTE: See pages 8-9 and 8-11 for tubes and hoses
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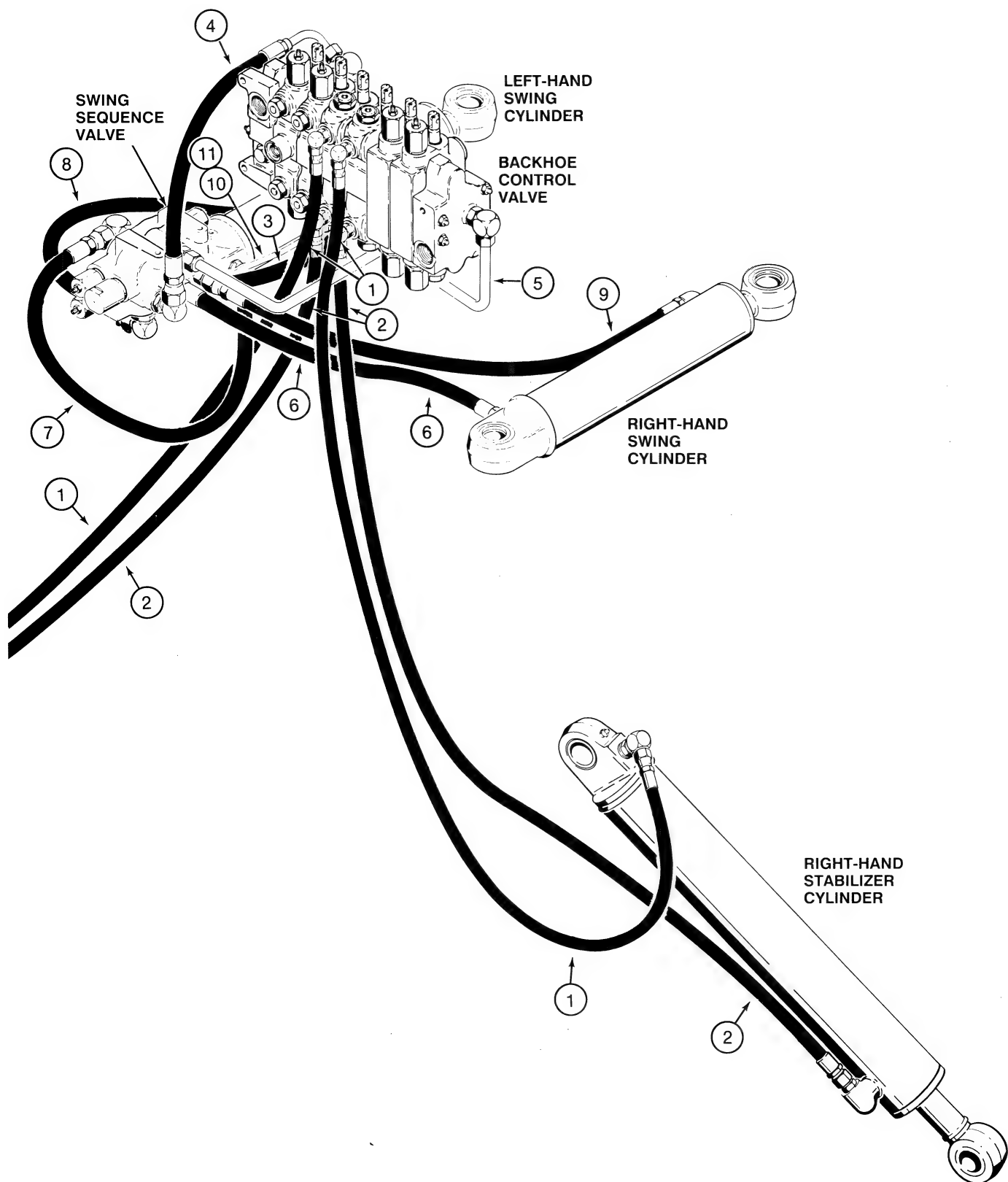
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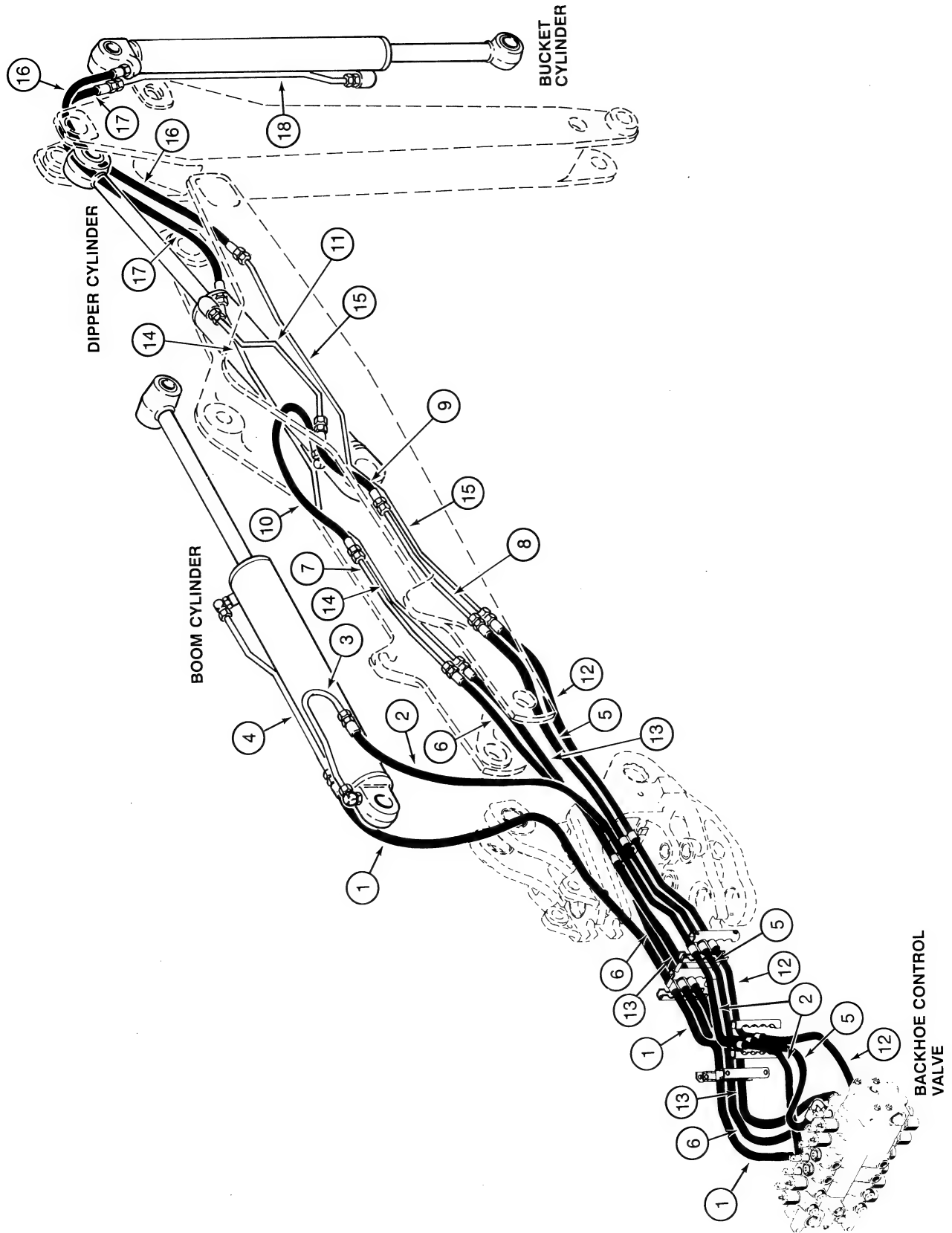
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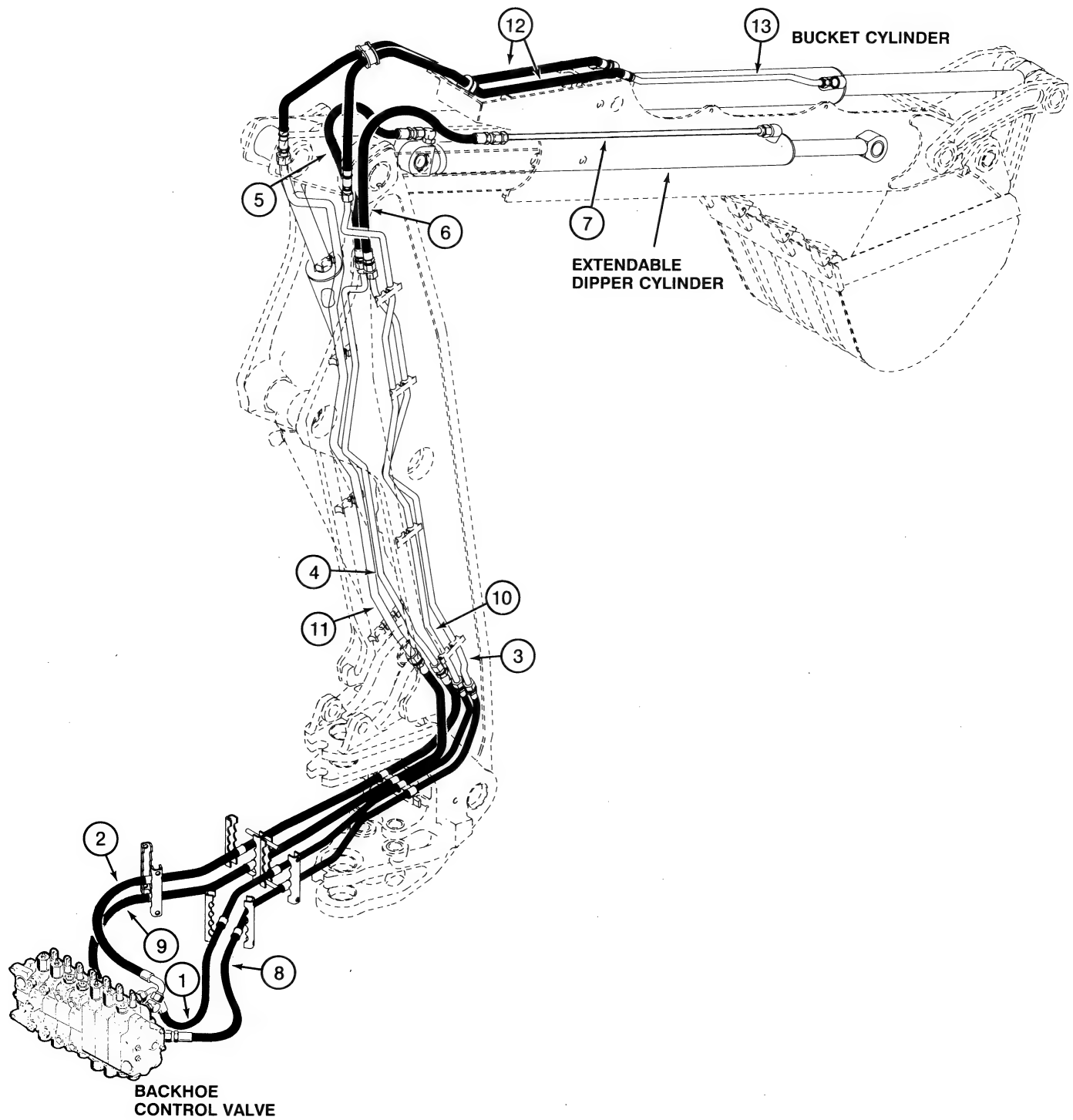
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*NOTES: See page 1-23 for tubes and hoses used on
models with extendable dipper.



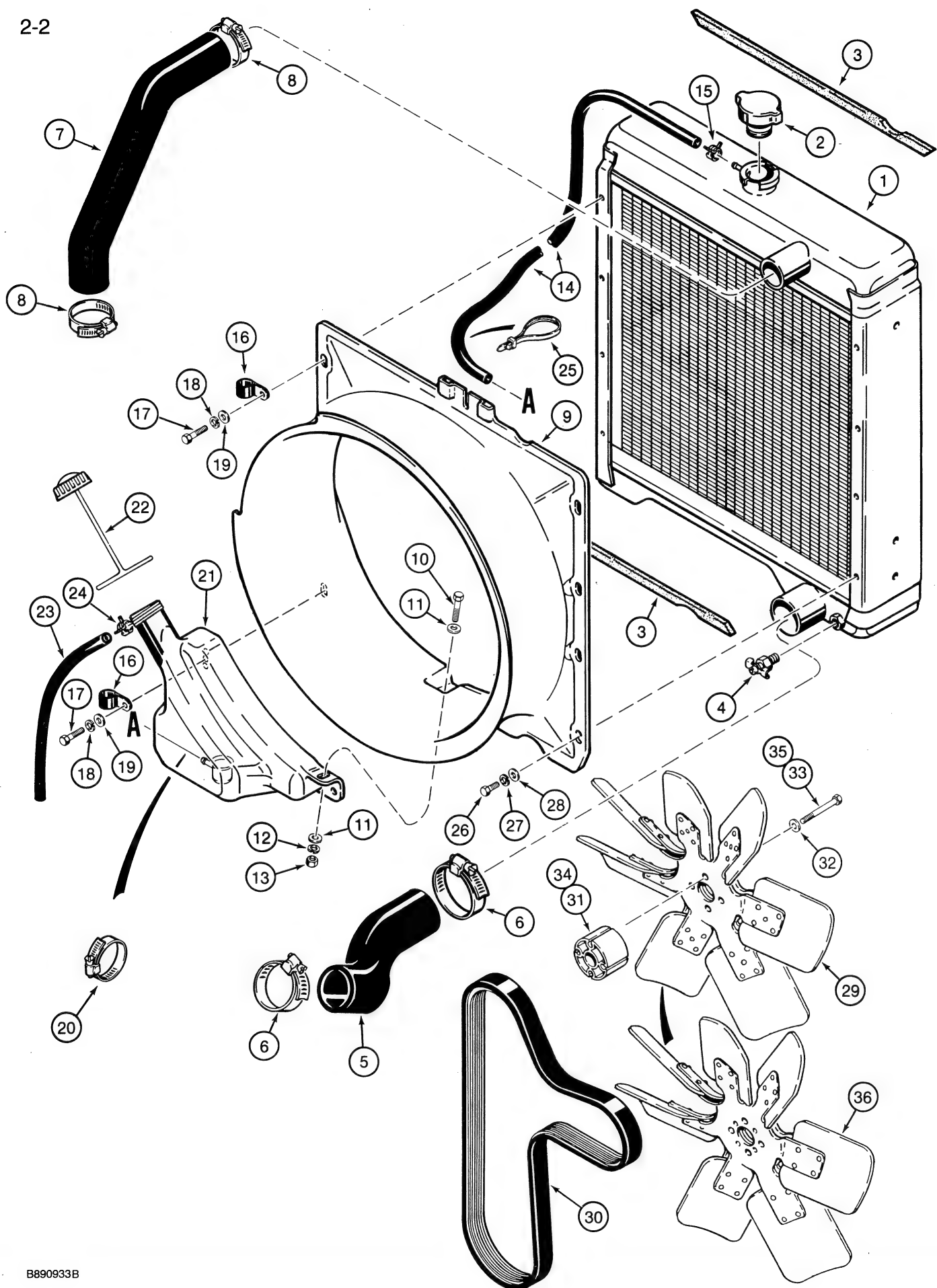
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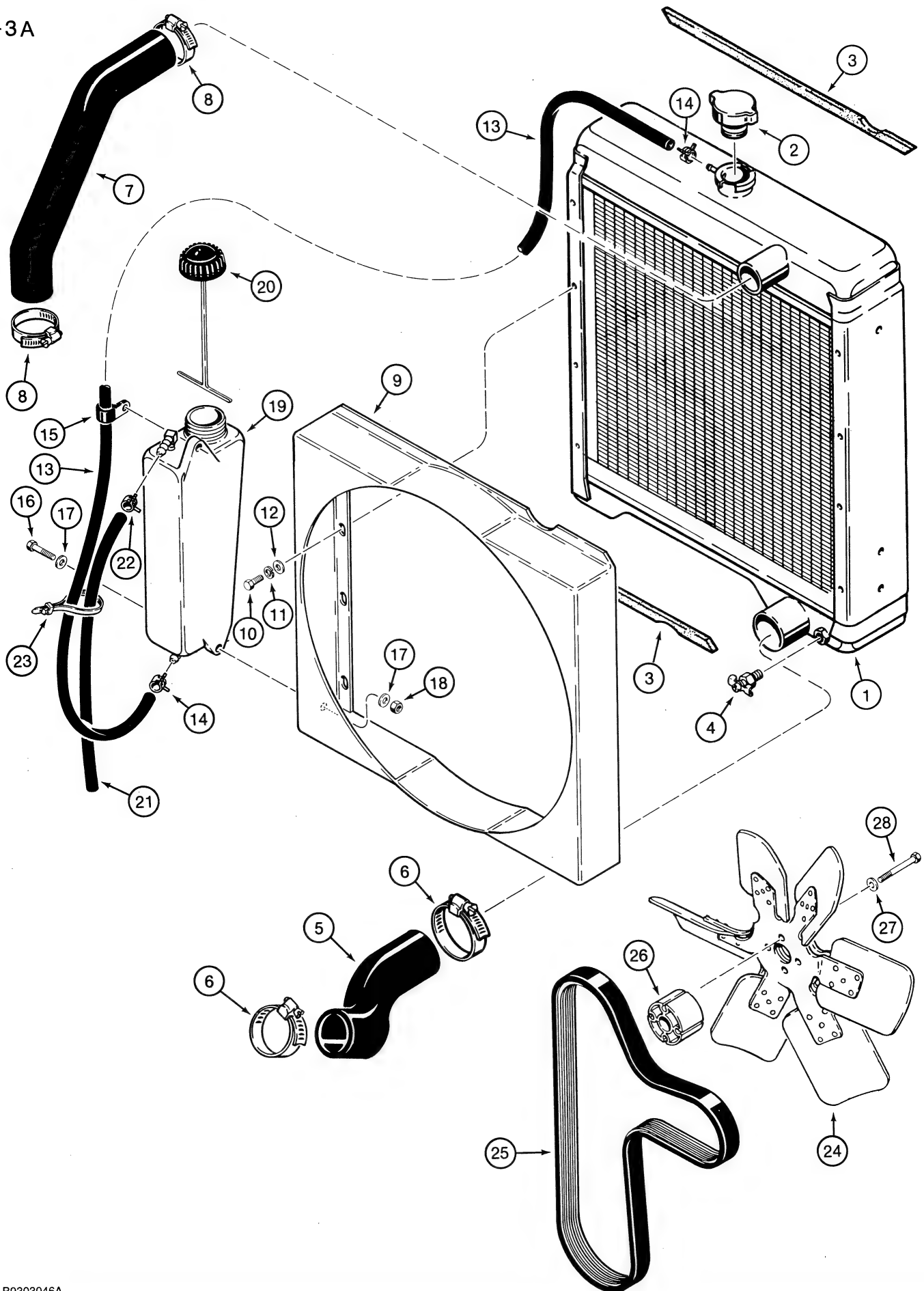
580 Super K Construction King Loader Backhoe
RADIATOR, FAN, AND MOUNTING PARTS
MODELS WITHOUT TURBOCHARGED ENGINES;
MODELS WITH TURBOCHARGED ENGINES PRIOR TO
TRACTOR P.I.N. JJG0173468

2-3

REF.	PART NO.	DESCRIPTION	REQD.
1	A172038	RADIATOR - engine coolant	1
2	A170241	CAP - radiator, 15 psi	1
3	A173165	SEAL - fan shroud, upper and lower	2
4	217-92	VALVE - 1/4 inch PT, drain	1
5	D127775	HOSE - radiator, lower	1
6	214-1440	CLAMP - adj, 2-1/16 - 3 inch dia, lower radiator hose	2
7	D127774	HOSE - radiator, upper	1
8	214-1432	CLAMP - adj, 1-9/16 - 2-1/2 inch dia, upper radiator hose	2
9	A173459	SHROUD - fan	1
10	614-8030	BOLT - hex, 8 - 1.25 x 30 mm	1
11	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	2
12	492-11031	WASHER - lock, 5/16 inch	1
13	825-1408	NUT - hex, 8 mm - 1.25	1
14	A171019	HOSE - 5/16 (8 mm) x 9/16 (14 mm) x 35 inch (897 mm), radiator to reservoir, cut to required length from L126767 bulk hose	1
15	A171099	CLAMP - hose, retaining	1
16	49768	CLAMP - hose, attaches to radiator fan shroud	2
17	614-8030	BOLT - hex, 8 - 1.25 x 30 mm	2
18	492-11031	WASHER - lock, 5/16 inch	2
19	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	2
20	214-1704	CLAMP - adj, 1/4 - 5/8 inch dia, at radiator, lower	1
21	A184370	RESERVOIR - coolant recovery bottle (replaces A171805 reservoir)	1
22	1547924C1	CAP - screw-on, tethered, coolant recovery bottle (replaces A184079)	1
23	A172262	HOSE - 8 mm x 310 mm, coolant overflow	1
24	A171099	CLAMP - hose, retaining, at reservoir	1
25	L18337	STRAP - nylon, retaining	1
26	614-8016	BOLT - hex, 8 - 1.25 x 16 mm	6
27	492-11031	WASHER - lock, 5/16 inch	6
28	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	6
29	*A184467	FAN - suction, seven blade, models with or without air conditioning	1
30	J911559	BELT - fan, V-ribbed	1
31	A184545	SPACER - fan, 49.5 mm long, use with item 33 bolt on models with air conditioning	1
32	496-21041	WASHER - flat, 13/32 x 13/16 x 3/32 inch, hardened	4
33	814-10070	BOLT - hex, 10 - 1.5 x 70 mm, use with item 31 spacer	4
34	A190656	SPACER - fan, 26 mm long, use with item 35 bolt on models without air conditioning	1
35	814-10045	BOLT - hex, 10 - 1.5 x 45mm, use with item 34 spacer	4
36	*1998741C2	FAN - suction, models without air conditioning, used with A184545 spacer, 496-21041 washer, and 814-10070 bolt (items 31-33), no longer used, when replacing 1998741C2 fan on models without air conditioning order A184467 fan, A190656 spacer, and 814-10045 bolt, items 29, 34 and 35	1
	L126767	HOSE - bulk, 5/16 (8) ID x 92 inch (2336 mm) long	1

***NOTE:** Check part number stamped on fan blade before ordering parts.

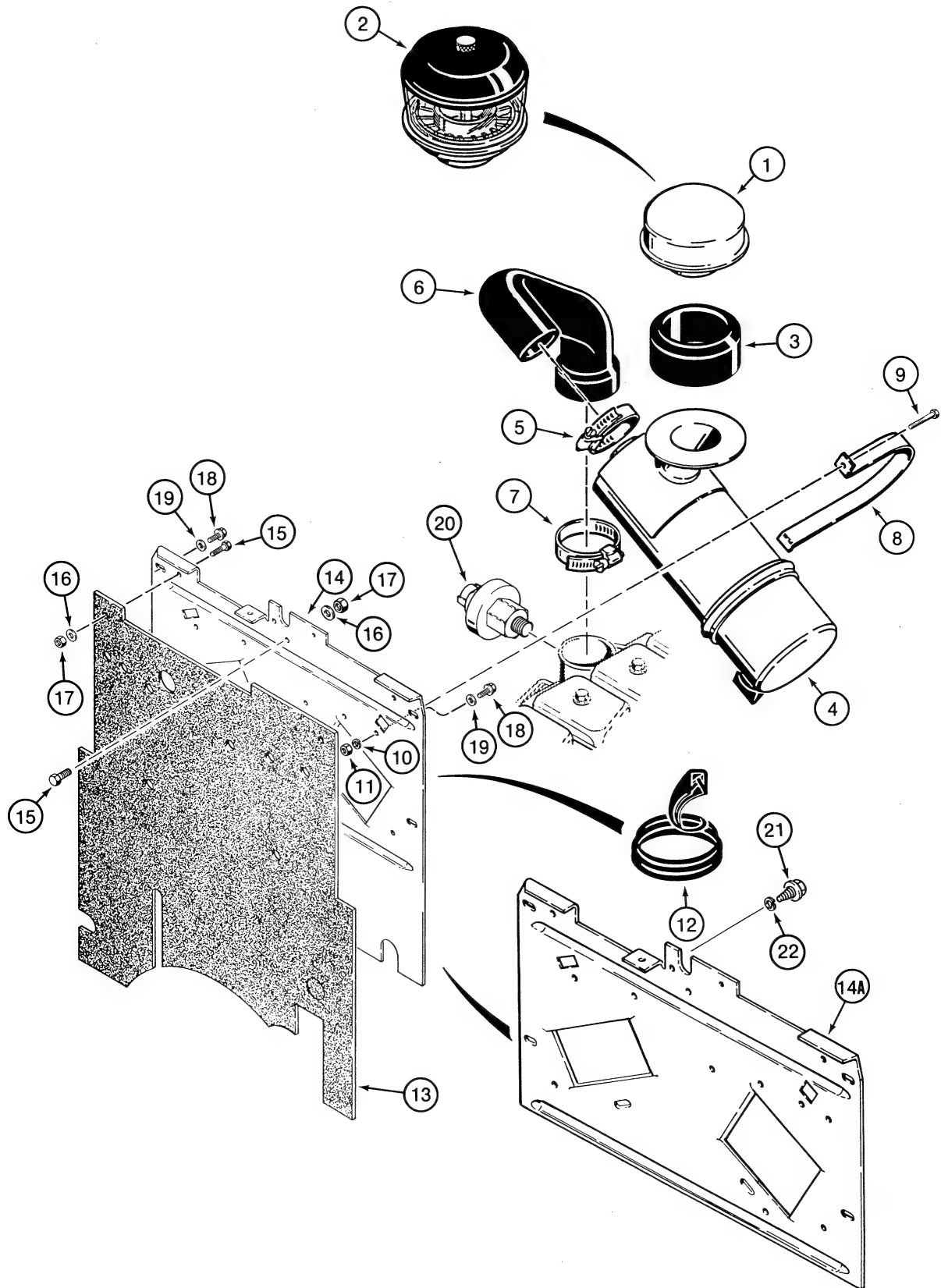
2-3A



580 Super K Construction King Loader Backhoe
RADIATOR, FAN, AND MOUNTING PARTS
MODELS WITH TURBOCHARGED ENGINES
TRACTOR P.I.N. JJG0173468 AND AFTER

2-3B

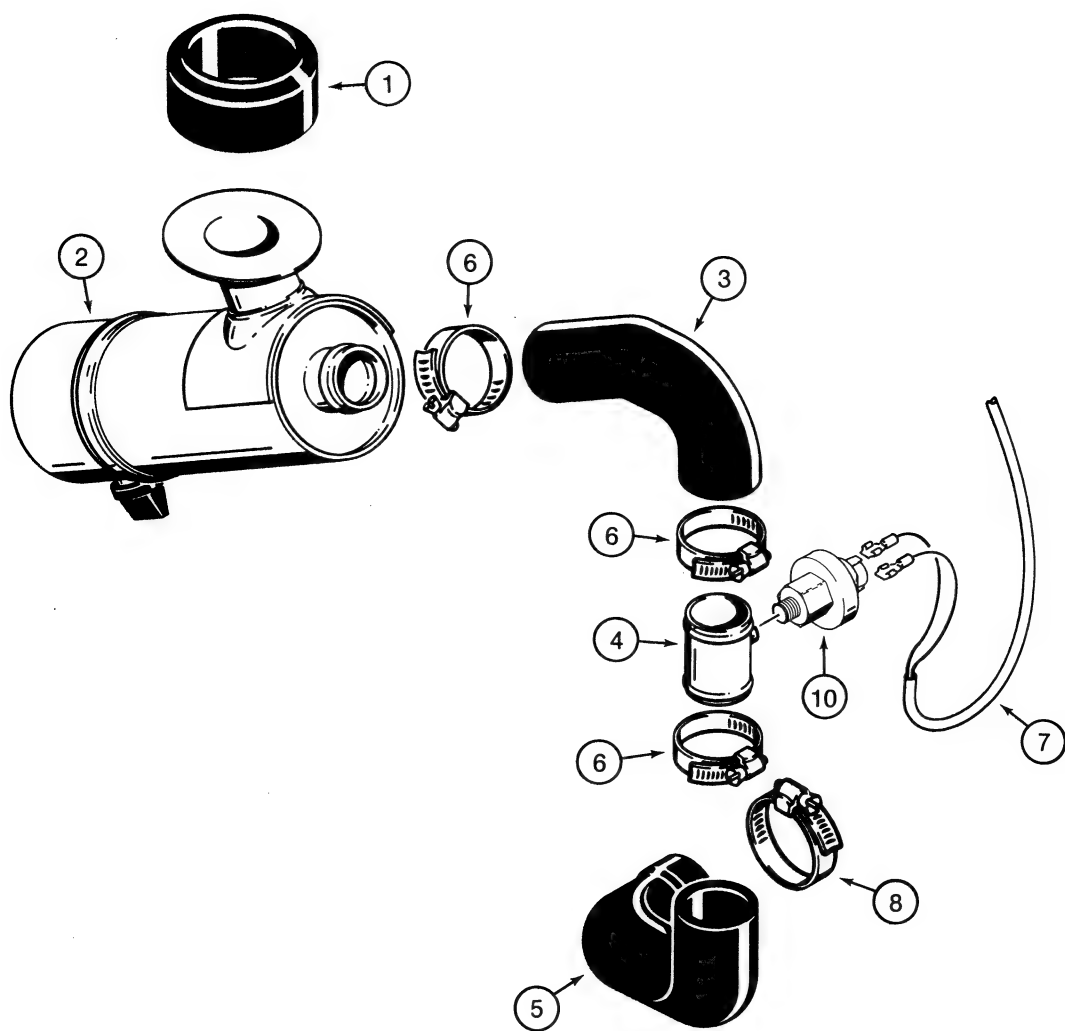
REF.	PART NO.	DESCRIPTION	REQD.
1	A172038	RADIATOR - engine cooling	1
2	A170241	CAP - radiator, 15 psi	1
3	A173165	SEAL - radiator, upper and lower	2
4	217-92	VALVE - 1/4 inch PT, drain	1
5	D127775	HOSE - radiator, lower	1
6	214-1444	CLAMP - adj, 2-1/16 - 3 inch dia, lower radiator hose	2
7	D127774	HOSE - radiator, upper	1
8	214-1432	CLAMP - adj, 1-9/16 - 2-1/2 inch dia	2
9	D147078	SHROUD - fan	1
10	614-8016	BOLT - hex, 8 - 1.25 x 16 mm	8
11	492-11031	WASHER - lock, 5/16 inch	8
12	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	8
13	A171019	HOSE - 8 mm x 14 mm x 897 mm, radiator to reservoir, cut to required length from L126767 bulk hose, see below	1
14	A171099	CLAMP - hose, at radiator and reservoir	2
15	49768	CLAMP - P-type, attaches to coolant recovery reservoir	1
16	413-520	BOLT - hex, 5/16 NC x 1-1/4 inch	2
17	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	4
18	231-1445	NUT - light hex, self-locking, 5/16 inch NC	2
19	D148344	RESERVOIR - coolant recovery bottle	1
20	1547924C1	CAP - screw-on, tethered, coolant recovery bottle (replaces A184079)	1
21	D148394	HOSE - 8 mm x 500 mm, coolant overflow, cut to required length from L126767 bulk hose, see below	1
22	A171099	CLAMP - coolant overflow hose at reservoir	1
23	L18337	STRAP - tie, hose retaining	1
24	A189138	FAN - six blade, engine	1
25	J911559	BELT - fan, V-ribbed	1
26	D142327	SPACER - fan, 54 mm long	1
27	496-21041	WASHER - flat, 13/32 x 13/16 x 3/32 inch, hardened	4
28	814-10085	BOLT - hex, 10 - 1.5 x 85 mm	4
	L126767	HOSE - bulk, 5/16 (8) ID x 92 inch (2336 mm) long	1



**580 Super K Construction King Loader Backhoe
AIR CLEANER AND AIR INTAKE PARTS
MODELS WITHOUT TURBOCHARGED ENGINE**

2-5

REF.	PART NO.	DESCRIPTION	REQD.
1	A61277	CAP - air cleaner, standard, if used	1
2	A24391	PRECLEANER ASSEMBLY - air, if used, parts list page 2-11.....	1
3	D143756	SEAL - air cleaner	1
4	D143874	CLEANER ASSEMBLY - air, engine, parts list page 2-9.....	1
5	214-1444	CLAMP - adj, 2-5/16 - 3-1/4 inch dia, hose to air cleaner.....	1
6	D135793	HOSE - air cleaner	1
7	214-1452	CLAMP - adj, 2-13/16 - 3-3/4 inch dia, hose to engine.....	1
8	D129158	STRAP - air cleaner.....	1
9	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
10	492-11038	WASHER - lock, 3/8 inch.....	1
11	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	1
12	D43403	SEAL - 5 inch (127 mm) long, cut from bulk seal, see Parts Substitution List for bulk seal options	2
13	D150514	PAD - heat and noise protection	1
14	D145021	BRACKET - air cleaner mounting, no longer available, order D150862 bracket.....	1
14A	D150862	BRACKET - air cleaner mounting, attaches to chassis upright	1
15	413-512	BOLT - hex, 5/16 NC x 3/4 inch	3
16	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	3
17	231-1445	NUT - light hex, self-locking, 5/16 inch NC.....	3
18	281-44912	SCREW - self-tapping, hex washer, 3/8 NC x 3/4 inch, if used	4
18A	276-24916	SCREW - self-tapping, hex, 3/8 NC x 1 inch, if used, not shown.....	4
19	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	4
20	1983233C1	SWITCH - restriction, air cleaner	1
21	112865A1	SCREW - special, 5/16 x 13/16 inch	1
22	492-11031	WASHER - lock, 5/16 inch	1

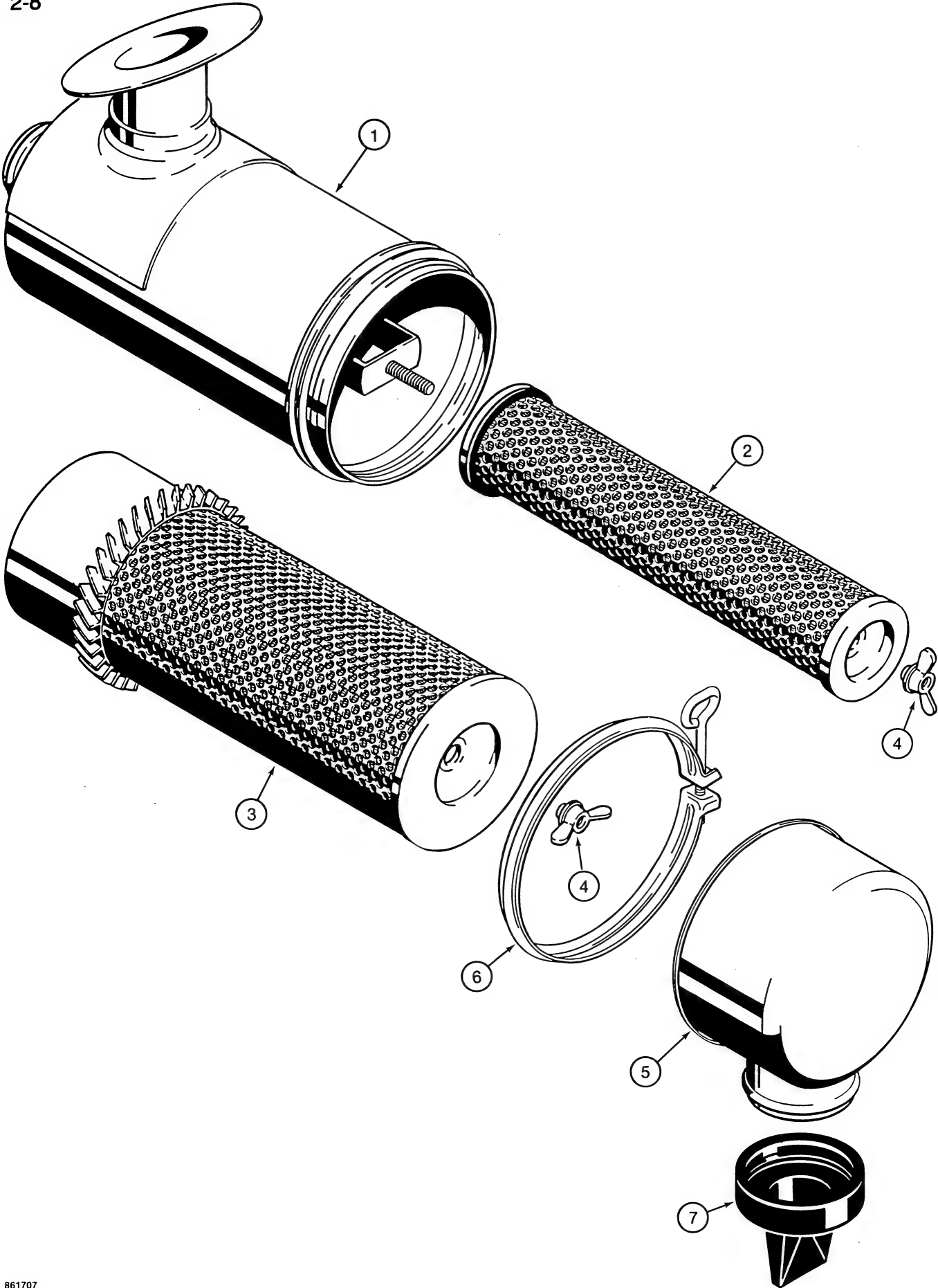


**580 Super K Construction King Loader Backhoe
AIR CLEANER AND AIR INTAKE PARTS
MODELS WITH TURBOCHARGED ENGINE**

2-7

REF.	PART NO.	DESCRIPTION	REQD.
1	D143756	SEAL - air cleaner	1
2	D143874	CLEANER ASSEMBLY - air, engine, parts list page 2-9.....	1
3	D139340	HOSE - air cleaner, upper	1
4	D139343	ADAPTER - coupling, air restriction.....	1
5	D139342	HOSE - air cleaner, lower, at engine, for service order D139394 hose, see item 9.....	1
6	214-1444	CLAMP - adj, 2-5/16 - 3-1/4 inch dia	3
7	D140449	WIRE - jumper, restriction indicator, attaches to front console wiring harness	1
8	214-1452	CLAMP - adj, 2-13/16 - 3-3/4 inch dia	1
9	D139394	HOSE - air cleaner, lower, at engine, not shown.....	1
10	1983233C1	SWITCH - restriction, air cleaner	1

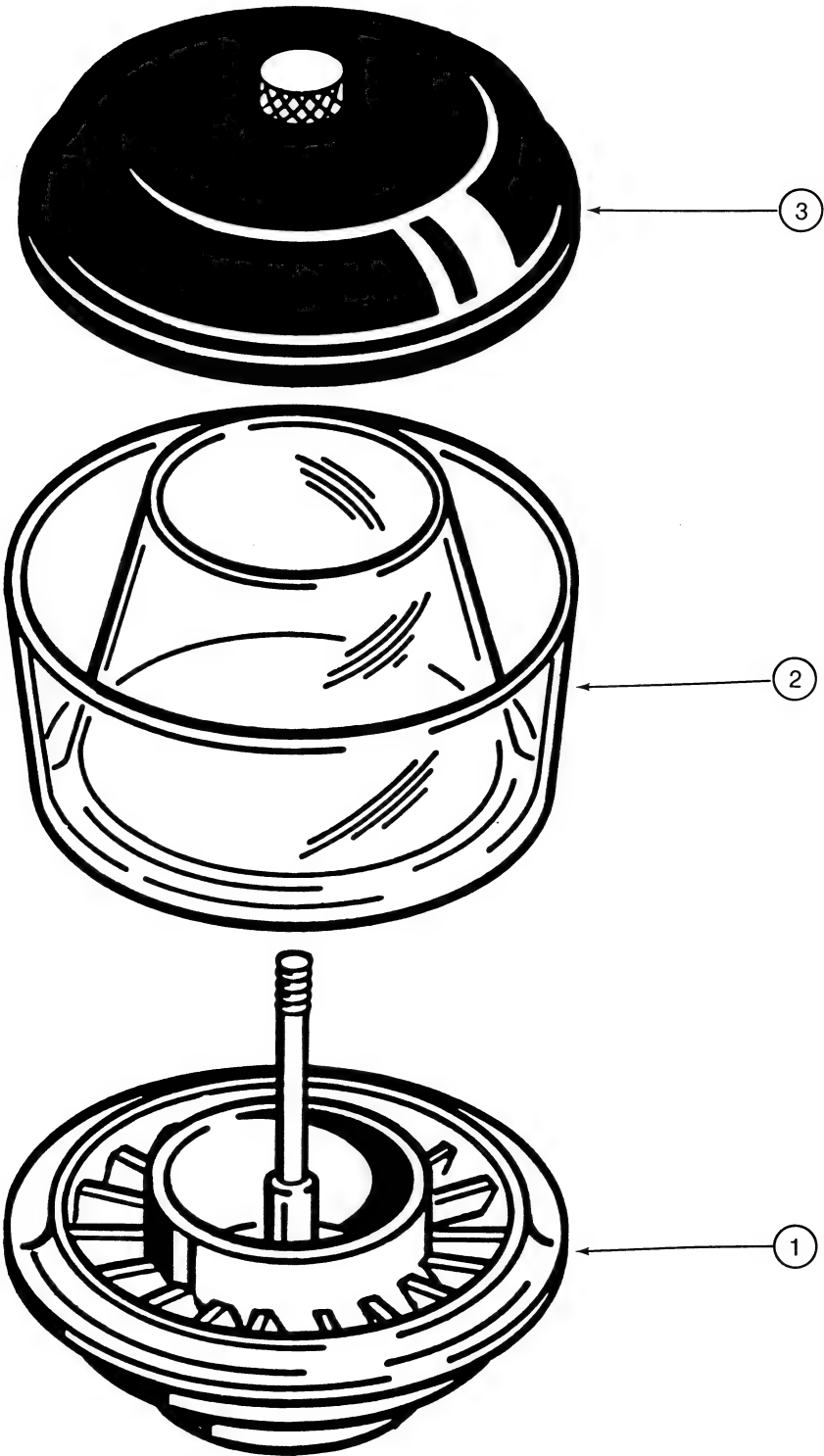
NOTE: See page 2-5 for common air cleaner attaching parts,
like air cleaner mounting bracket, upper and lower pads and
hardware.



580 Super K Construction King Loader Backhoe
AIR CLEANER

2-9

REF.	PART NO.	DESCRIPTION	REQD.
	D143874	CLEANER ASSEMBLY - air, engine.....	1
1	NSS	HOUSING - air cleaner.....	1
2	A173291	ELEMENT - secondary.....	1
3	A173290	ELEMENT - primary.....	1
4	D78354	NUT - wing, element retaining	2
5	A184598	COVER - end.....	1
6	F84999	CLAMP - air cleaner, housing to end cover	1
7	A184597	VALVE - dust, rubber.....	1



PRECLEANER

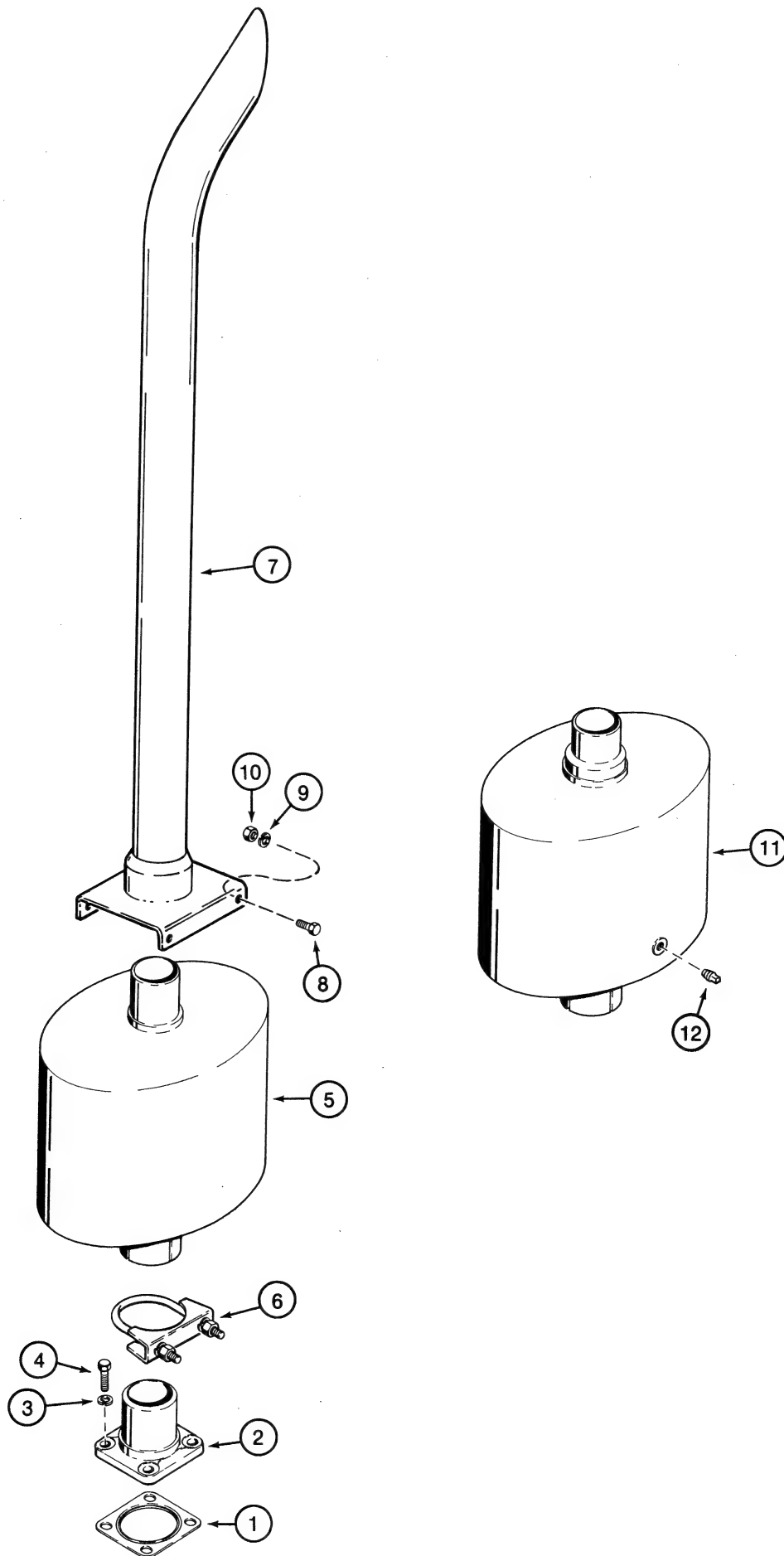
REF.	PART NO.	DESCRIPTION	REQD.
	A24391	PRECLEANER ASSEMBLY - air, if used.....	1
1	NSS	BODY - precleaner	1
2	365413R1	BOWL - precleaner (replaces 73186)	1
3	365412R91	COVER - precleaner (replaces 73187)	1

580 Super K Construction King Loader Backhoe

COLD START SYSTEM

2-13

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A189154	NOZZLE ASSEMBLY - cold start injector, .008 dual orifice nozzle, component parts not serviced separately	1
2	D145367	TUBE - 30 inch (762 mm) long, valve to injector nozzle, cut to required length from L60539 bulk tube, see below.....	1
	222-615	ELBOW - 90 degree, compression, 1/8 tube OD x 1/8 inch PT.....	1
3	NSS	BODY - elbow.....	1
4	222-650	SLEEVE - tapered, 1/8 inch tube OD	1
5	222-660	NUT - hex, 1/8 tube OD x 5/16-24 inch.....	1
6	A171940	CONTAINER - ether	1
7	A172116	VALVE ASSEMBLY - 3 cc starting fluid injection, component parts not serviced separately	1
8	413-516	BOLT - hex, 5/16 NC x 1 inch	2
10	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	4
11	231-1445	NUT - hex, 5/16 inch NC	2
12	D128402	SLEEVE - wire guard, 380 mm long.....	1
13	A187923	SWITCH - temperature, circuit breaking, includes lead wires, uses existing intake manifold mounting hardware.....	1
14	495-11034 L72776	WASHER - flat, 11/32 x 11/16 x 1/16 inch	1
		SWITCH ASSEMBLY - push button, cold start, must also order (2) L59682 blade terminals (item 19)	1
15	NSS	SWITCH - cold start	1
16	H275784	NUT - hex, jam, special.....	1
17	D73741	NUT - hex, special.....	1
18	174-93	SCREW - machine, round head slotted, No. 10 NF x 1/4 inch	2
19	L59682	TERMINAL - blade, use with L72776 switch	2
20	L18337	STRAP - tie, nylon.....	UAR
	L60539	TUBE - 14 foot, bulk roll	1



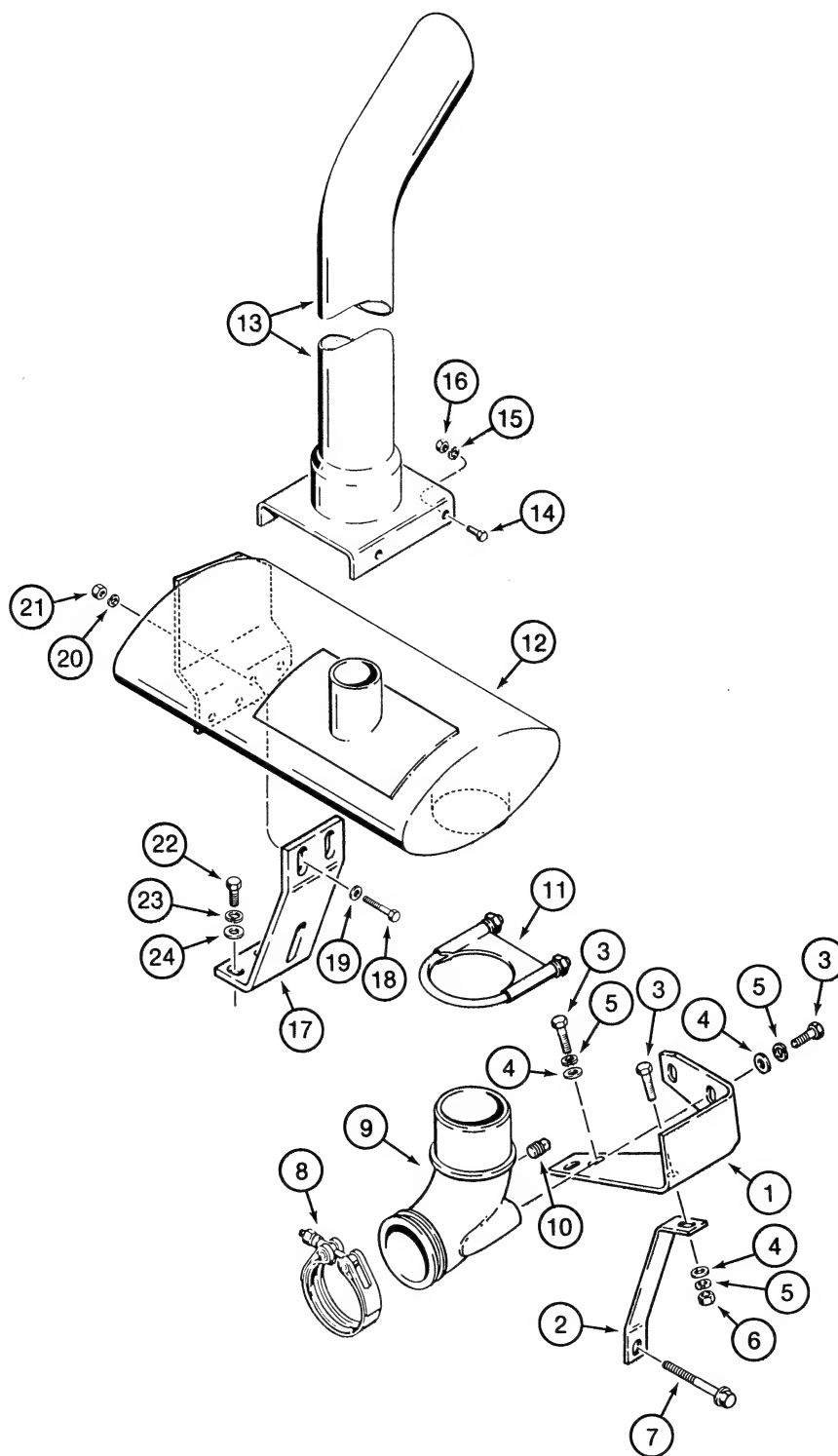
580 Super K Construction King Loader Backhoe
MUFFLER AND EXHAUST SYSTEM
MODELS WITHOUT TURBOCHARGED ENGINE

2-15

REF.	PART NO.	DESCRIPTION	REQD.
1	J912220	GASKET - steel, muffler adapter	1
2	A170611	ADAPTER - muffler	1
3	892-11010	WASHER - lock, 10 mm	4
4	614-10025	BOLT - hex, 10 - 1.5 x 25 mm	4
5	A184237	MUFFLER - engine exhaust, under hood, standard, if used	1
6	A13240	CLAMP - muffler, includes hardware (replaces A62874 clamp)	1
7	D151014	PIPE - exhaust, muffler extension, attaches to hood (replaces D136087 pipe)	1
8	413-512	BOLT - hex, 5/16 NC x 3/4 inch	4
9	492-11031	WASHER - lock, 5/16 inch	4
10	425-105	NUT - hex, 5/16 inch NC	4

SPARK ARRESTER MUFFLER

11	A189315	MUFFLER - spark arrester, under hood, if used	1
12	217-77	PLUG - square, 3/8 inch PT	1

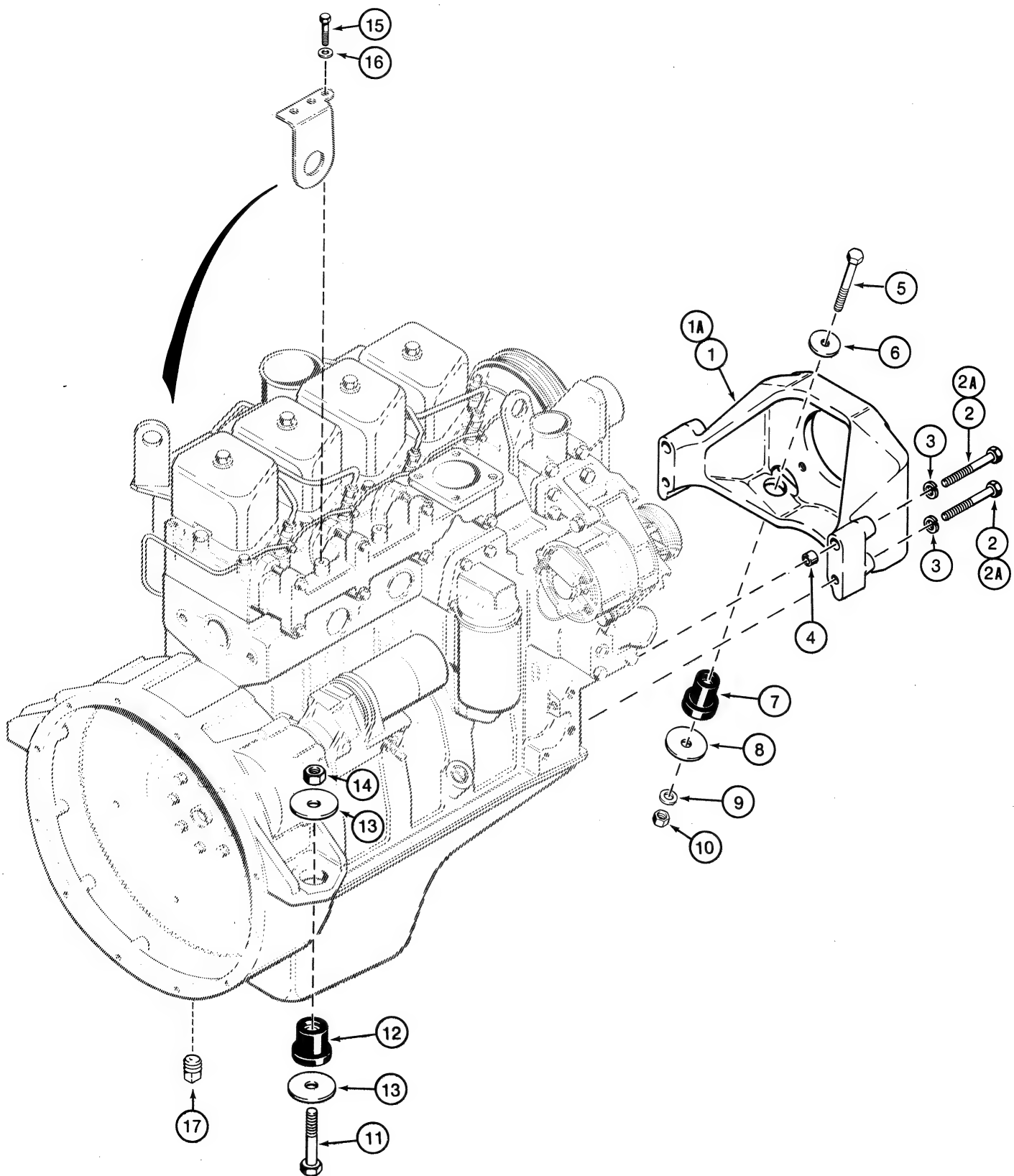


580 Super K Construction King Loader Backhoe
MUFFLER AND EXHAUST SYSTEM
MODELS WITH TURBOCHARGED ENGINE

2-17

REF.	PART NO.	DESCRIPTION	REQD.
1	L126939	BRACKET - exhaust elbow (replaces L114429).....	1
2	L115129	BRACE - exhaust bracket.....	1
3	614-10030	BOLT - hex, 10 - 1.5 x 30 mm.....	5
4	895-11010	WASHER - flat, 11 x 21 x 2 mm.....	5
5	892-11010	WASHER - lock, 10 mm.....	5
6	825-1410	NUT - hex, 10 mm - 1.5.....	1
7	844-10080	BOLT - hex flange, 10 mm - 1.5 x 80 mm, replaces existing manifold bolt.....	1
8	A170467	CLAMP - adapter retaining, includes hardware, at engine.....	1
9	A173795	ADAPTER - 93 degree, exhaust.....	1
10	221-841	PLUG - hex socket, 1/4 inch PT.....	1
11	L14222	CLAMP - at muffler, includes hardware, replaces L73711.....	1
12	A184890	MUFFLER - engine exhaust.....	1
13	D151014	PIPE - exhaust, muffler extension (replaces D136087 pipe).....	1
14	413-512	BOLT - hex, 5/16 NC x 3/4 inch.....	4
15	492-11031	WASHER - lock, 5/16 inch.....	4
16	425-105	NUT - hex, 5/16 inch NC.....	4
17	A189275	BRACKET - muffler support.....	1
18	413-616	BOLT - hex, 3/8 NC x 1 inch.....	2
19	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch.....	2
20	492-11038	WASHER - lock, 3/8 inch.....	2
21	425-106	NUT - hex, 3/8 inch NC.....	2
22	*614-10025	BOLT - hex, 10 - 1.5 x 25 mm.....	2
23	*892-11010	WASHER - lock, 10 mm.....	2
24	*895-11010	WASHER - flat, 11 x 21 x 2 mm.....	2

***NOTE:** See page 4-15 for hardware used on models with air conditioning.

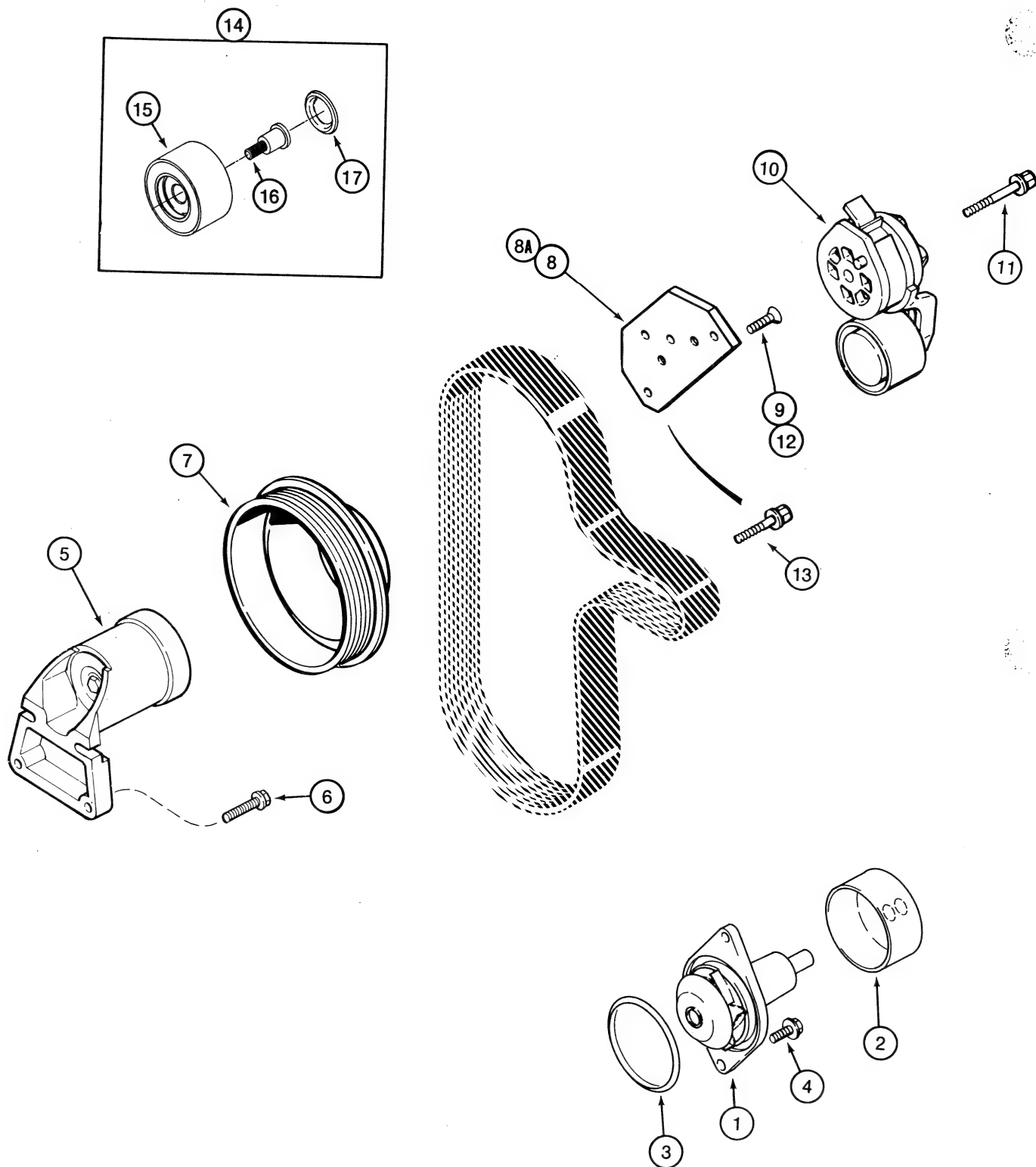


580 Super K Construction King Loader Backhoe

ENGINE MOUNTING

2-19

REF.	PART NO.	DESCRIPTION	REQD.
1	D123725	SUPPORT - 60 mm long mounting bolt flange, engine front, no longer available, order D150604 support, item 1A.....	1
1A	D150604	SUPPORT - 72 mm long mounting bolt flange, engine front	1
2	814-12090	BOLT - hex, 12 - 1.75 x 90 mm, D123725 support, if used	4
2A	814-12100	BOLT - hex, 12 - 1.75 x 100 mm, D150604 support, if used	4
3	892-11012	WASHER - lock, 12 mm.....	4
4	A170309	BUSHING - engine support, upper bolt holes	2
5	413-844	BOLT - hex, 1/2 NC x 2-3/4 inch	2
6	D126338	WASHER - flat, 13 x 45 x 5 mm, special	2
7	D60627	INSULATOR - engine mount, rubber, front	2
8	495-81270	WASHER - flat.....	2
9	495-11053	WASHER - flat, 17/32 x 1-1/16 x 5/64 inch	2
10	231-1448	NUT - light hex, self-locking, 1/2 inch NC	2
11	413-1056	BOLT - hex, 5/8 NC x 3-1/2 inch	2
12	D133316	INSULATOR - engine mount, rubber, rear	2
13	D35009	WASHER - flat, special, hardened.....	4
14	425-1010	NUT - hex, 5/8 inch NC	2
15	814-10020	BOLT - hex, 10 - 1.5 x 20 mm, use to attach lift bracket to exhaust manifold.....	1
16	895-11010	WASHER - flat, 11 x 21 x 2 mm	1
17	221-845	PLUG - square socket, 3/4 inch PT, use on models with PTO	1

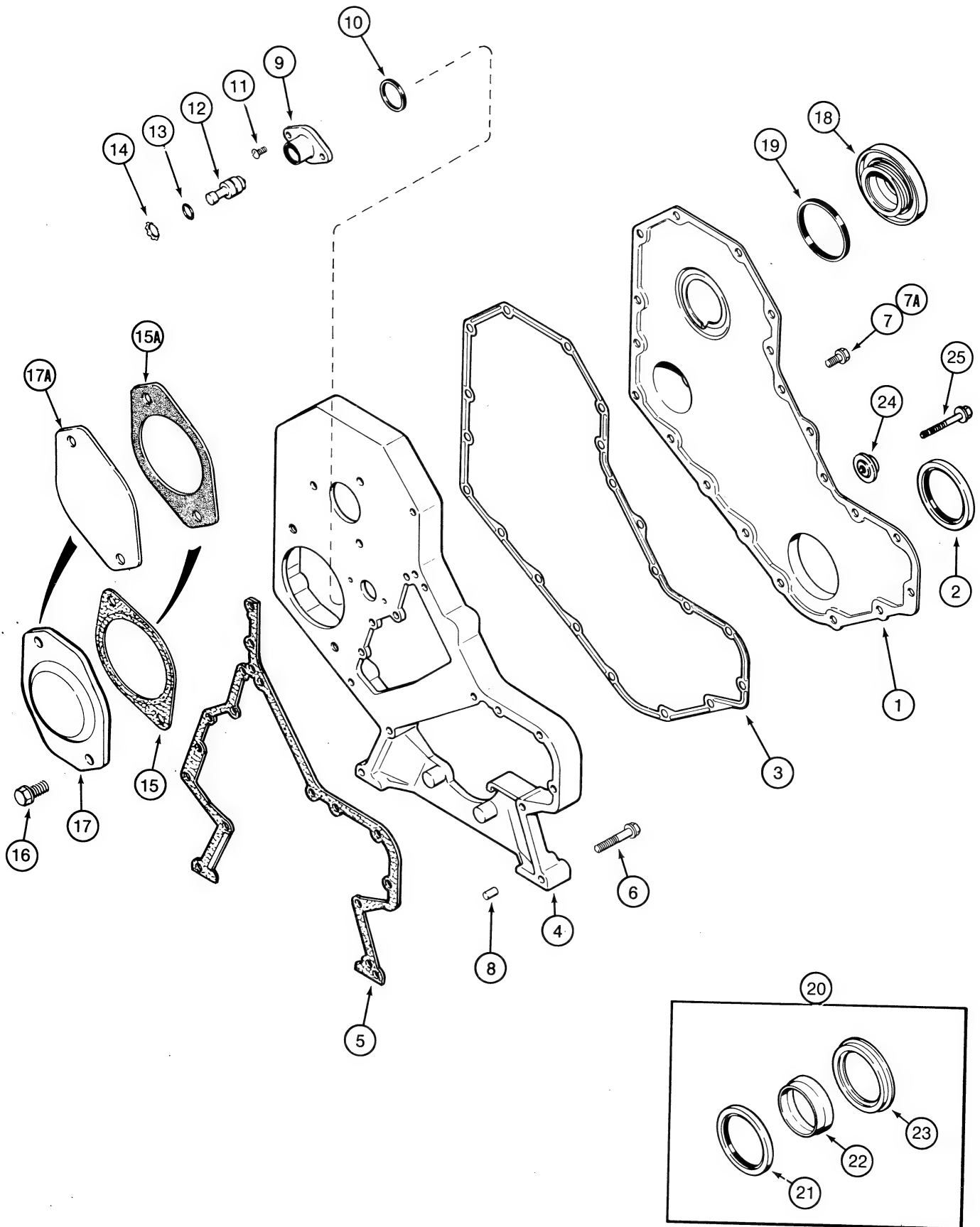


WATER PUMP SYSTEM

4-390 Engine

4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	A77703	KIT - water pump	1
1	NSS	PUMP - water	1
2	NSS	PULLEY - water pump	1
3	238-5341	O-RING - sealing, 3-1/2 ID x 3/16 inch wide	1
4	J900227	BOLT - hex, special	2
5	J911922	BRACKET - fan pulley	1
6	845-8040	BOLT - heavy hex flange, 8 - 1.25 x 40 mm	4
7	J914462	PULLEY - fan (1.1 to 1 ratio)	1
8	J919985	BRACKET - belt tensioner, replaces J904548 bracket, no longer used, for service order item 8A, J925207 bracket	1
8A	J925207	BRACKET - belt tensioner	1
9	J903095	SCREW - flat head slotted, special, used with item 8, J919985 bracket only	2
10	J918944	TENSIONER - belt, replaces J914086 tensioner, includes items 15-17	1
11	854-10070	BOLT - heavy hex flange, 10 - 1.50 x 70 mm, class 10.9	1
12	J925186	SCREW - flat head torx, special, used with item 8A, J925207 bracket only	3
13	845-8025	BOLT - heavy hex flange, 8 - 1.25 x 25 mm, used with item 8A, J925207 bracket only	1
14	A77817	KIT - pulley assembly, belt tensioner, used to replace pulley of J918944 belt tensioner, item 10	1
15	NSS	PULLEY - belt tensioner	1
16	NSS	BOLT - pulley	1
17	NSS	SEAL - dust	1

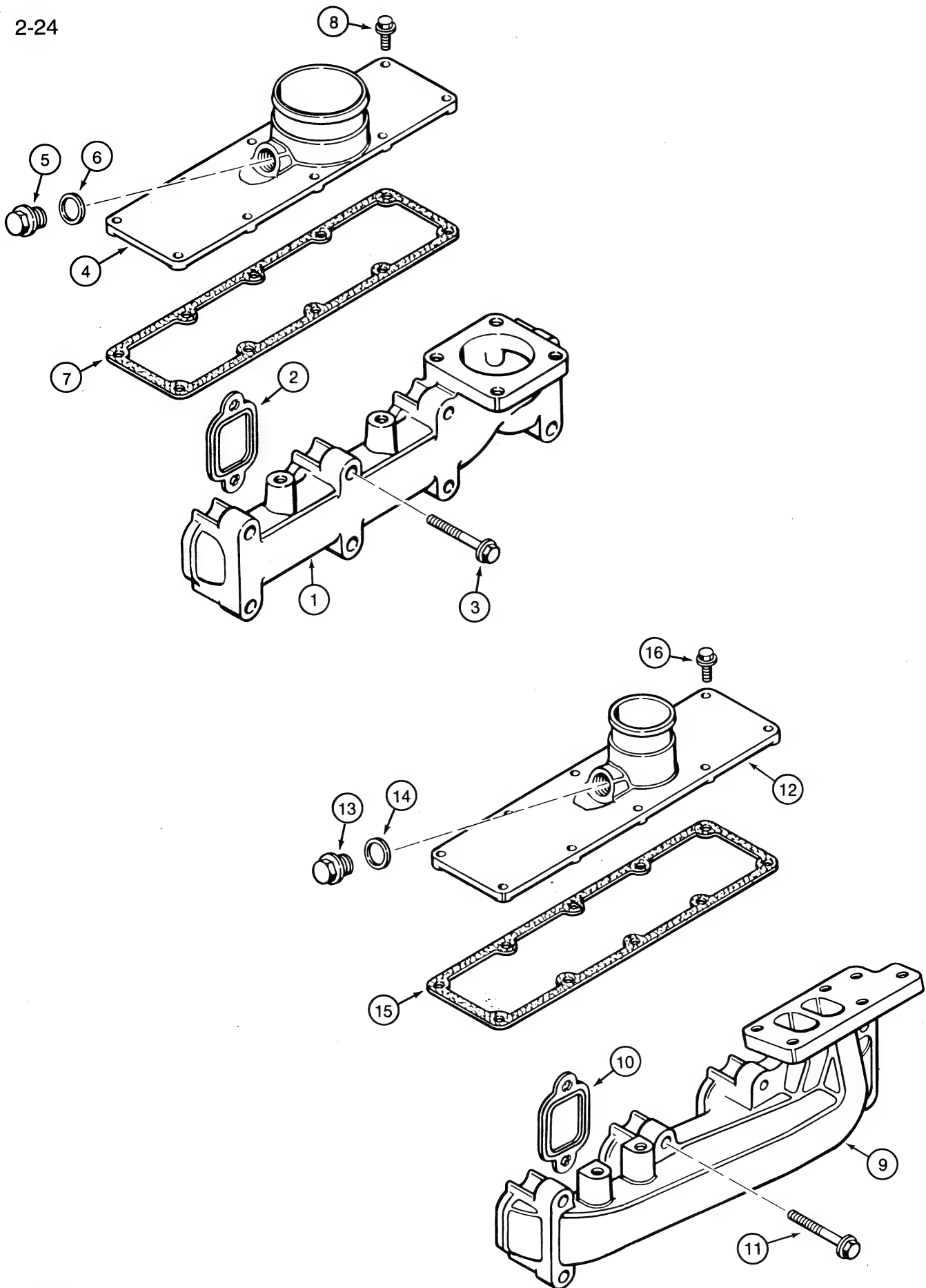


FRONT GEAR COVER

4-390 Engine

4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
1	J903794	COVER - gear, front.....	1
2	NSS	SEAL - oil, crankshaft front, order item 20, J904353 seal kit below.....	1
3	J914385	GASKET - front cover.....	1
4	J920758	HOUSING - timing gear, replaces J917759 and J920518 housing	1
5	J916131	GASKET - gear housing	1
6	845-8050	BOLT - heavy hex flange, 8 - 1.25 x 50 mm.....	10
7	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm, external, retains item 1 to item 4.....	11
7A	J900629	BOLT - small hex flange head, internal, retains item 4 to block.....	5
8	J900257	PIN - dowel, locating.....	2
9	J919683	HOUSING - timing pin, replaces J905933 housing	1
10	J915772	RING - timing pin housing	1
11	J907998	SCREW - round head, special.....	2
12	J903924	PIN - timing	1
13	J913994	O-RING - sealing, timing pin	1
14	J904849	RING - retaining, timing pin	1
15	J913192	GASKET - cover plate, no longer available, for service order J919601 gasket, itme 15A	1
15A	J919601	GASKET - cover plate.....	1
16	854-12025	BOLT - heavy hex flange, 12 - 1.75 x 25 mm, class 10.9.....	2
17	J909918	PLATE - accessory drive cover, no longer available, for service order J914868 plate, item 17A	1
17A	J914868	PLATE - accessory drive cover.....	1
18	J903463	COVER - front access.....	1
19	J903475	SEAL - cover	1
20	J904353	KIT - seal, oil, crankshaft front.....	1
21	NSS	SEAL - oil, crankshaft front	1
22	NSS	TOOL - seal installation.....	1
23	NSS	TOOL - seal installation.....	1
24	J912772	RETAINER - belt.....	1
25	845-8060	BOLT - heavy hex flange, 8 - 1.25 x 60 mm.....	1



580 Super K Construction King Loader Backhoe MANIFOLDS - EXHAUST AND INTAKE

2-25

REF.	PART NO.	DESCRIPTION	REQD.
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Exhaust - 4-390 Engine

1	J901223	MANIFOLD - exhaust, Naturally Aspirated	1
2	J905443	GASKET - exhaust manifold	4
3	854-10065	BOLT - heavy hex flange, 10 - 1.50 x 65 mm, class 10.9	8

Intake - 4-390 Engine

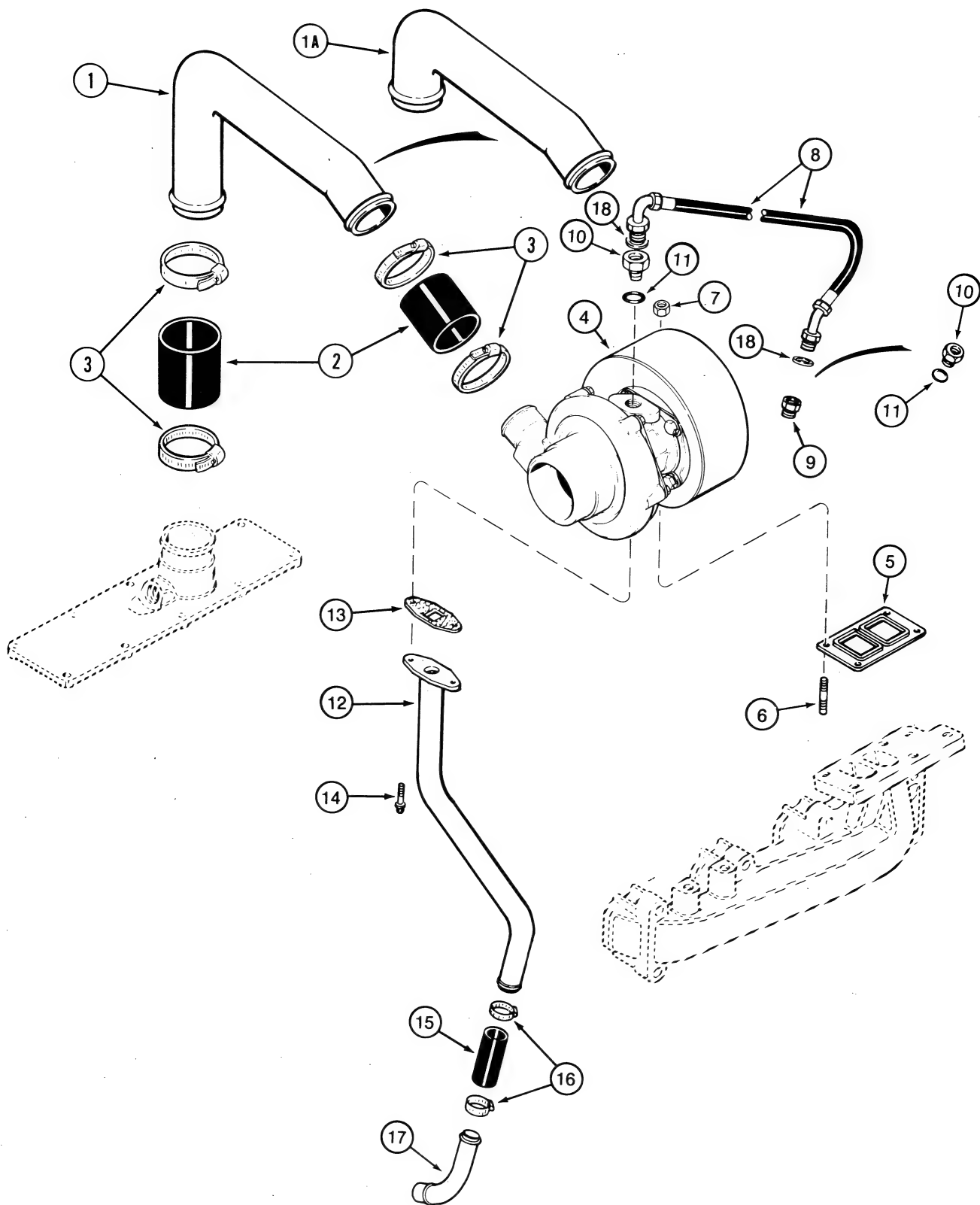
	A77415	KIT - intake manifold, Naturally Aspirated (order items 4-6).....	1
4	J904340	COVER - intake	1
5	J907185	PLUG - manifold, remove to install cold start	1
6	J906773	WASHER - plug sealing	1
7	J914028	GASKET - intake manifold	1
8	J918109	BOLT - intake manifold	10

Exhaust - 4T-390 Engine

9	J901919	MANIFOLD - exhaust, Turbocharged	1
10	J905443	GASKET - exhaust manifold	4
11	854-10065	BOLT - heavy hex flange, 10 - 1.50 x 65 mm, class 10.9	8

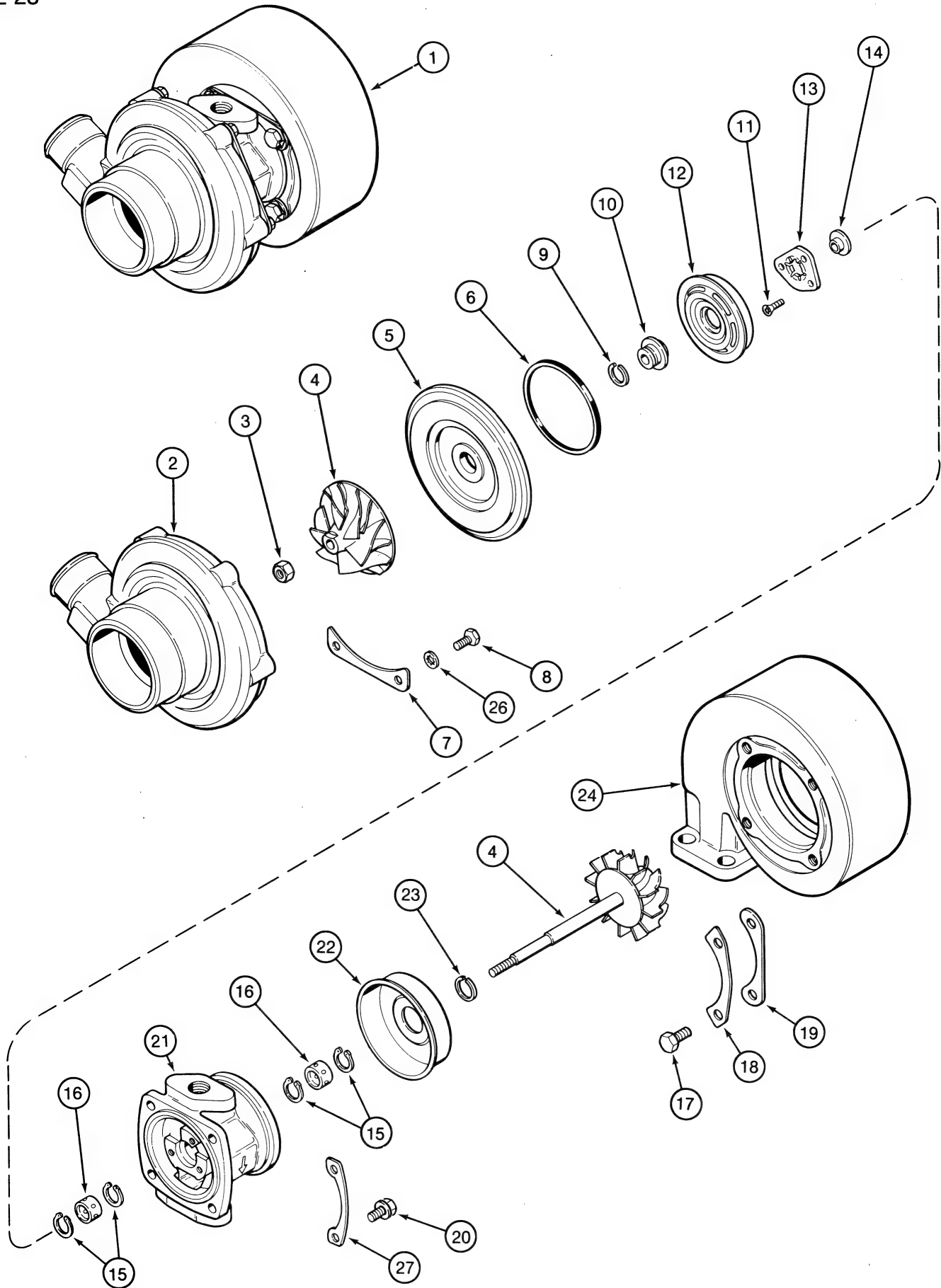
Intake - 4T-390 Engine

	A77416	KIT - intake manifold, Turbocharged (order items 12-14)	1
12	J904339	MANIFOLD - intake	1
13	J907185	PLUG - manifold, remove to install cold start	1
14	J906773	WASHER - plug sealing	1
15	J914028	GASKET - intake manifold	1
16	J918109	BOLT - intake manifold	10



TURBOCHARGER SYSTEM**4T-390 Engine**

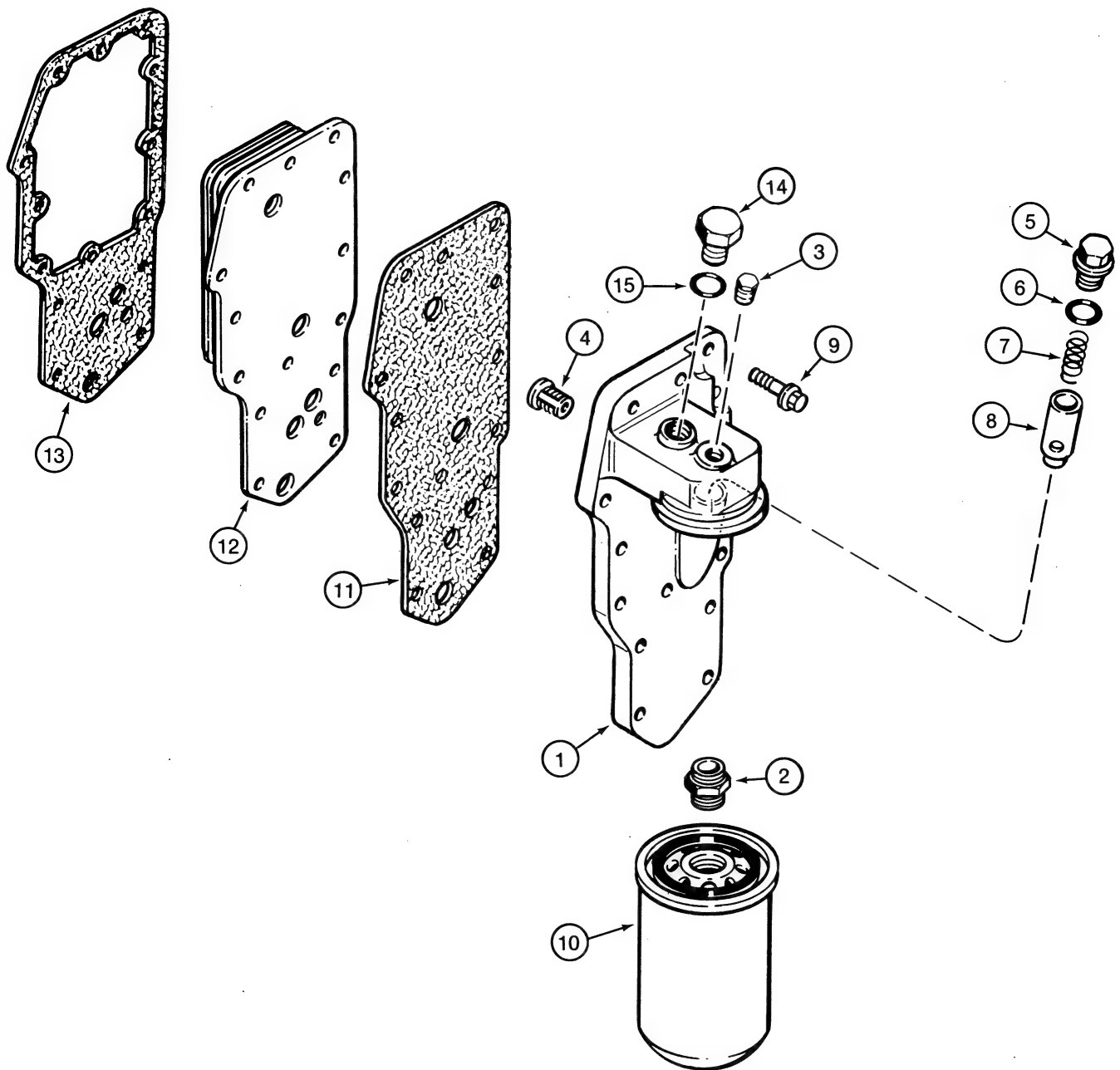
REF.	PART NO.	DESCRIPTION	REQD.
1	J912240	TUBE - air intake, prior to tractor P.I.N. JJG0173468	1
1A	J906623	TUBE - air intake, tractor P.I.N. JJG0173468 and after	1
2	J916166	HOSE - crossover	2
3	214-1428	CLAMP - adj, 1-5/16 to 2-1/4 inch dia	4
4	REF	TURBOCHARGER ASSEMBLY - engine, parts list page 2-29.....	1
5	J901356	GASKET - turbocharger to manifold.....	1
6	J818823	STUD - turbocharger mounting	4
7	J818824	NUT - hex, stud.....	4
8	J913759	HOSE - turbocharger oil supply	1
9	A77457	ADAPTER - female hex, used on J915243 oil filter head, prior to Engine Serial Number 44475085.....	1
10	J919687	ADAPTER - female hex, replaces J916857 adapter, one used to connect turbocharger oil supply hose to J919135 turbocharger, one used on J918954 oil filter head, Engine Serial Number 44475085 and after.....	1-2
11	238-5013	O-RING - 7/16 ID x 1/16 inch.....	1
12	J903740	TUBE - turbocharger oil drain.....	1
13	J914388	GASKET - drain tube	1
14	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm.....	2
15	J903745	HOSE - turbocharger oil drain	1
16	214-1416	CLAMP - adj, 13/16 - 1-1/2 inch.....	2
17	J903744	TUBE - oil drain, turbocharger, pressed into block	1
18	222-993	GASKET - copper, 3/8 inch	2



TURBOCHARGER ASSEMBLY

4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	JR908293	TURBOCHARGER ASSEMBLY - remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC908293	RETURN NUMBER - use this part number to return turbocharger core for credit when using a remanufactured assembly	1
1	J908293	TURBOCHARGER ASSEMBLY - engine, new, 1/4 inch PT port in bearing housing, no longer available, for service order J919135 turbocharger assembly plus (1) J919687 adapter and 238-5013 O-ring, items 10 and 11 on page 2-27.....	1
1	J919135	TURBOCHARGER ASSEMBLY - engine, new, 12 mm straight thread port in bearing housing.....	1
2	NSS	HOUSING - compressor	1
3	*NSS	NUT - hex, lock.....	1
4	NSS	ROTOR ASSEMBLY - turbocharger	1
5	NSS	DIFFUSER - compressor.....	1
6	*NSS	SEAL - diffuser	1
7	NSS	PLATE - diffuser clamping	3
8	*NSS	SCREW - cap	6
9	*NSS	SEAL - split ring, compressor	1
10	NSS	SLINGER - oil	1
11	*NSS	SCREW - flat head Torx	3
12	NSS	BAFFLE - oil	1
13	*NSS	BEARING - thrust	1
14	NSS	COLLAR - thrust	1
15	*NSS	RING - snap, retaining	4
16	*NSS	BEARING - impeller shaft.....	2
17	*NSS	BOLT - plate retaining	4
18	*NSS	PLATE - lock, turbine housing	2
19	NSS	PLATE - clamping, turbine housing	2
20	*NSS	BOLT ASSEMBLY - hex, lock, includes washer	4
21	NSS	HOUSING - turbine bearing	1
22	NSS	SHIELD - heat, turbine	1
23	*NSS	SEAL - piston ring, turbine.....	1
24	NSS	HOUSING - turbine.....	1
26	*NSS	WASHER - internal tooth lock	6
27	*NSS	PLATE - lock, turbine bearing housing	2
	*J904772	KIT - overhaul, turbocharger, includes all items with an asterisk.....	1

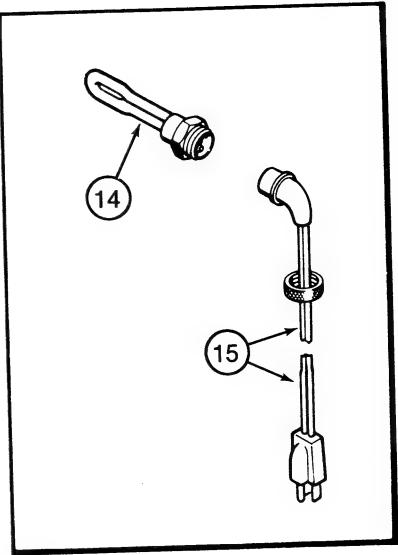
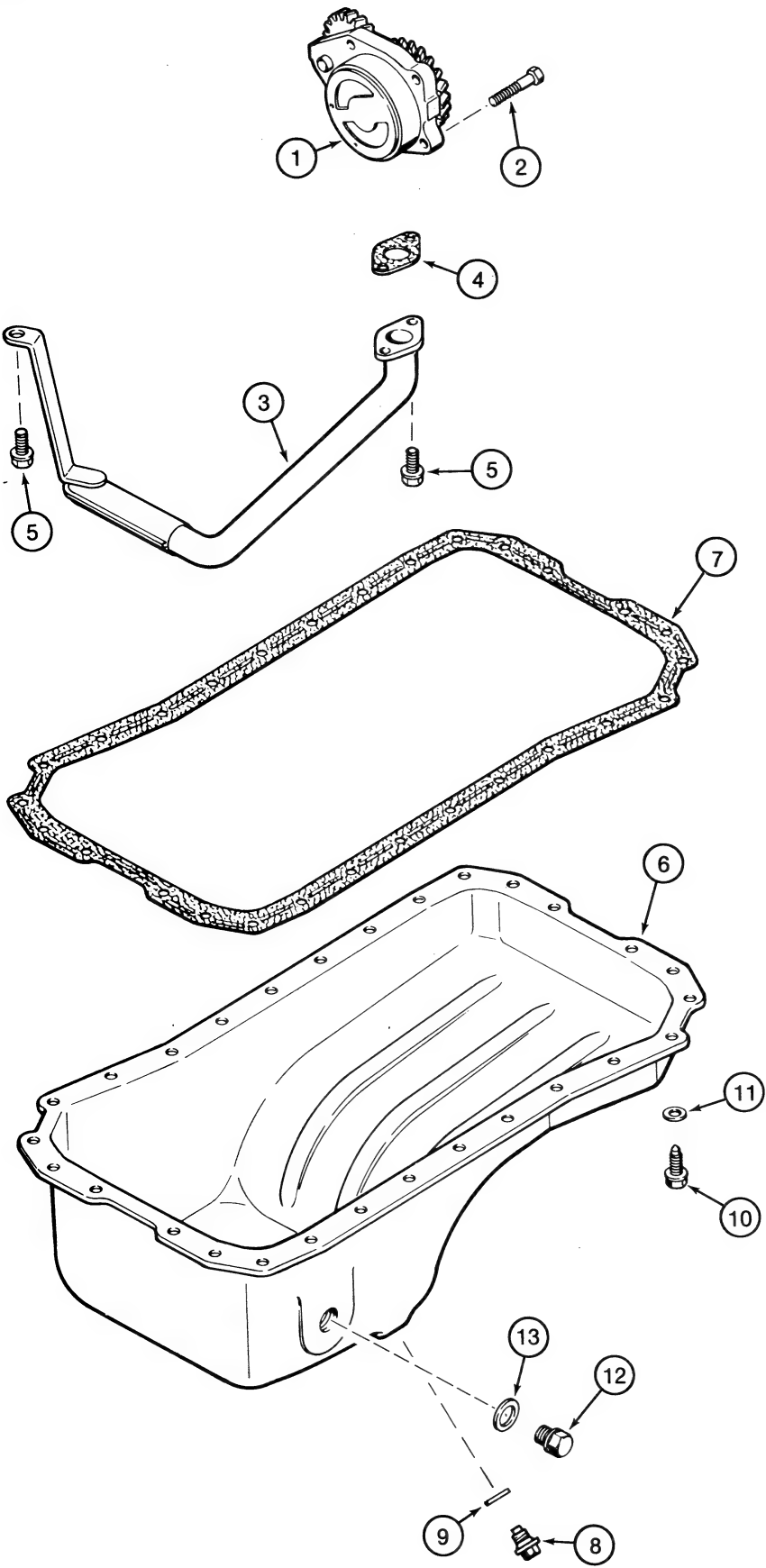


OIL FILTER AND COOLER

4-390 Engine

4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	J915243	HEAD ASSEMBLY - oil filter and cooler, prior to Engine Serial Number 44475085, no longer available, for service order J918954 head assembly.....	1
	J918954	HEAD ASSEMBLY - oil filter and cooler, Engine Serial Number 44475085 and after.....	1
1	NSS	HEAD - oil filter and cooler	1
2	J909355	ADAPTER - filter head	1
3	J906619	PLUG - hex, 1/8 inch PT	1
4	J902338	VALVE - relief, pressure	1
5	J915787	PLUG - pipe	1
6	J909397	O-RING - sealing.....	1
7	J918427	SPRING - compression.....	1
8	J918428	PLUNGER - regulator, pressure	1
9	845-8035	BOLT - heavy hex flange, 8 - 1.25 x 35 mm.....	14
10	J908616	FILTER - lube oil (cartridge).....	1
11	J918257	GASKET - filter head.....	1
12	J921557	CORE - oil, replaces J918292 core.....	1
13	J918256	GASKET - cooler core.....	1
14	J919686	PLUG - hex, 12 mm threaded, used on engines without a turbocharger oil supply	1
15	238-5013	O-RING - 7/16 ID x 1/16 inch.....	1



OIL PUMP AND OIL PAN

4-390 Engine

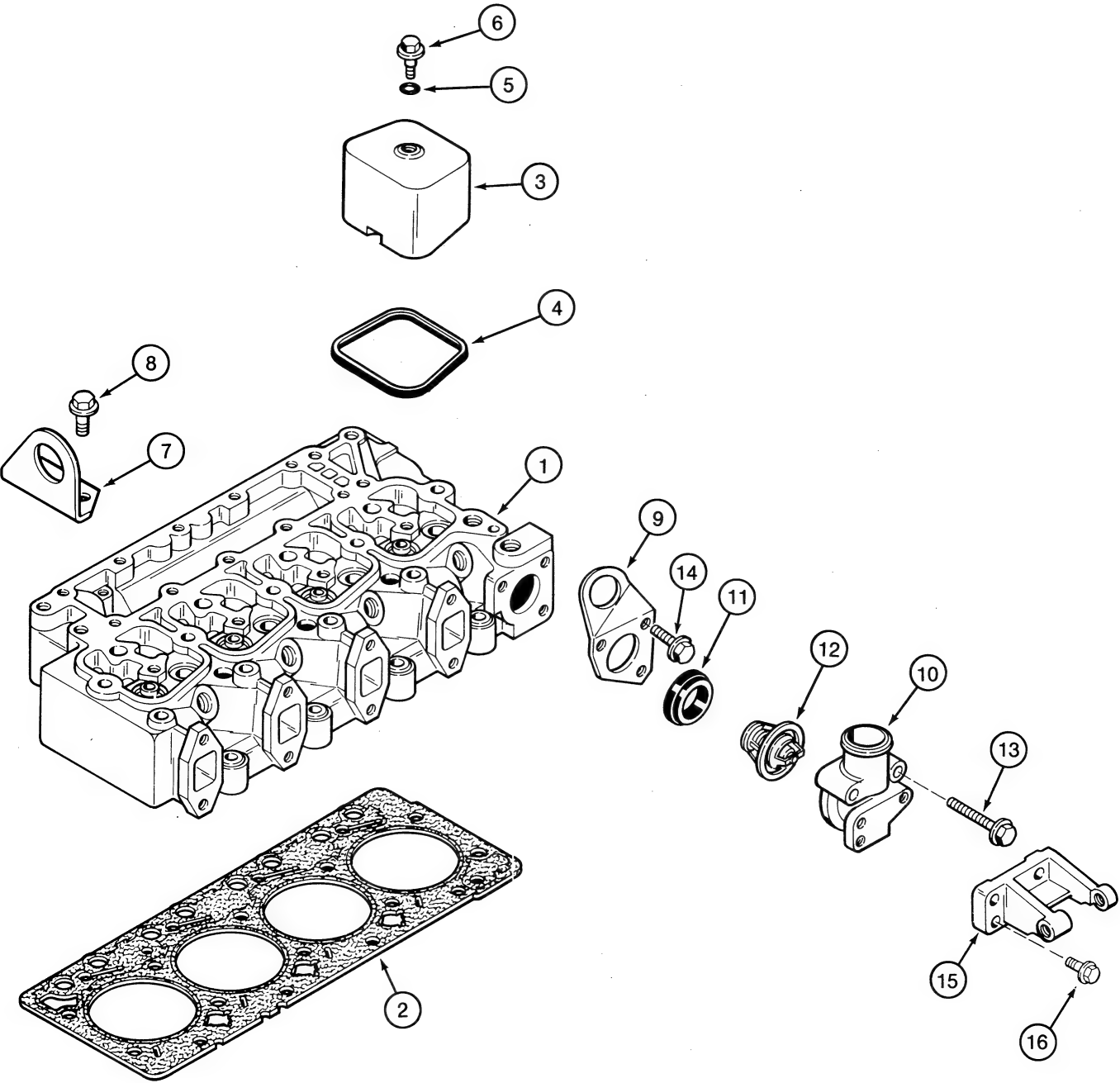
4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	JR926202	PUMP - oil, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, replaces JR918211 and JR924719 oil pump	1
	JC926202	RETURN NUMBER - use this part number to return pump core for credit when using a remanufactured assembly, replaces JC918211 and JC924719	1
1	J926202	PUMP - oil, engine, replaces J918211 and J924719 oil pump	1
2	614-8030	BOLT - hex, 8 - 1.25 x 30 mm.....	4
3	J905206	TUBE - suction, oil	1
4	*J914383	GASKET - mounting, tube	1
5	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm.....	3
6	J901049	PAN - oil, engine	1
7	*NSS	GASKET - oil pan, order A77673 kit shown below	1
8	J924147	PLUG - drain, oil, magnetic, replaces J911638 plug	1
9	*J920773	WASHER - seal, drain plug, replaces J900216 washer	1
10	J920400	BOLT - hex flange, 8 - 1.25 x 25 mm, replaces J907860 bolt	28
11	J907537	WASHER - Belleville, pan bolt, if used	28
12	J924148	PLUG - pipe, heater hole, replaces J904386 plug.....	1
13	**J902425	WASHER - seal, plug	1
	*A77673	KIT - gasket, oil pan, includes all items with an asterisk.....	1

ENGINE OIL HEATER

	**A77490	KIT - heater, engine oil.....	1
14	NSS	ELEMENT - heater, 120 volt.....	1
15	J905113	CABLE - engine oil heater.....	1

****NOTE:** When engine oil heater kit is ordered, item 13, J902425 washer must be ordered also.

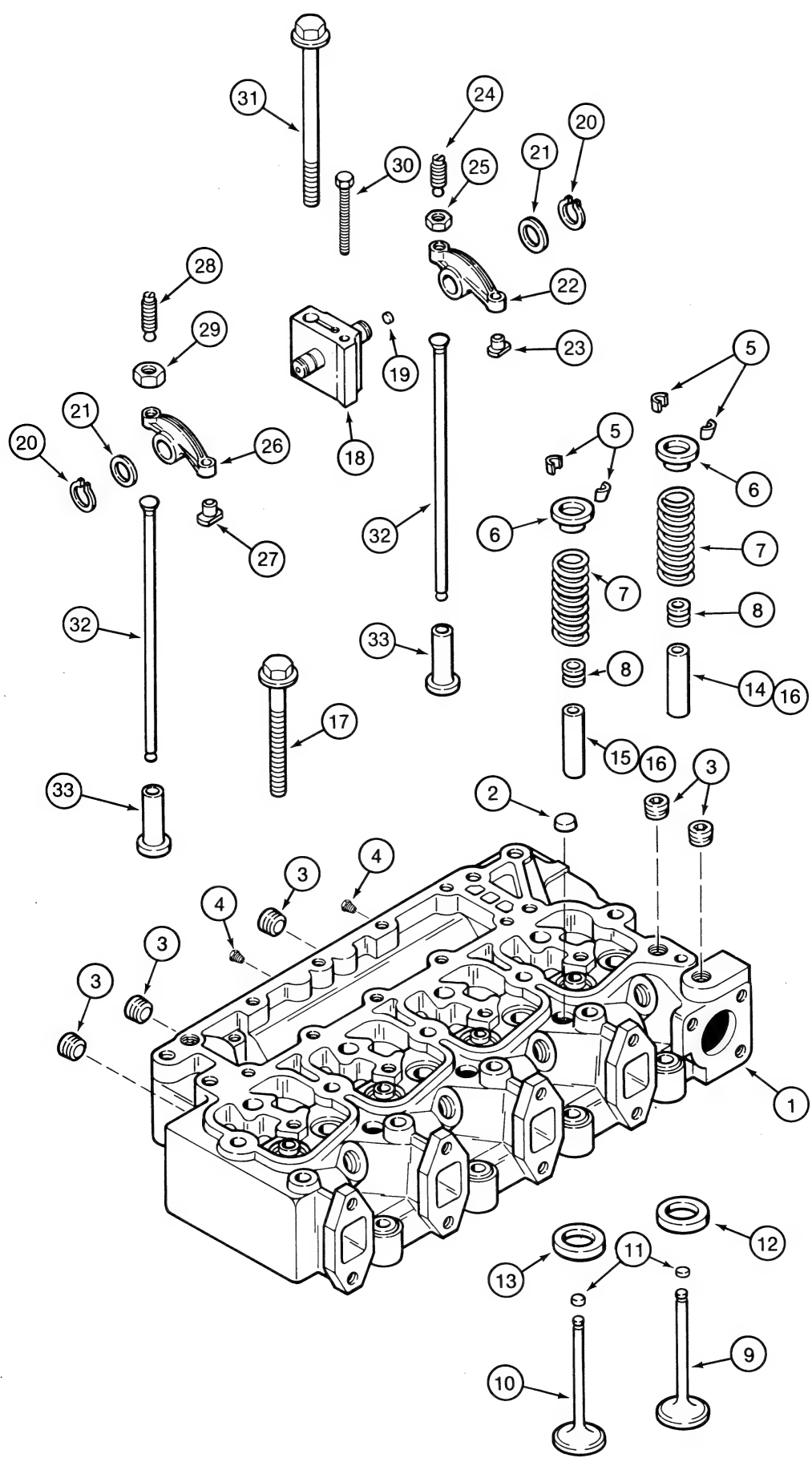


CYLINDER HEAD AND COVERS**4-390 Engine****4T-390 Engine**

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	HEAD - cylinder, engine, part list page 2-37	1
2	J921393	GASKET - cylinder head, standard, replaces J918302 gasket.....	1
2	J921395	GASKET - cylinder head, 0.25 mm thicker, replaces J917355 and J918303 gasket	1
2	J921397	GASKET - cylinder head, 0.50 mm thicker, replaces J915721 and J918304 gasket	1
3	J902604	COVER - rocker arm	4
4	J902666	SEAL - rocker arm cover	4
5	J282133	O-RING - cover bolt, replaces J910824 O-ring.....	4
6	J907049	BOLT - hex flange, special	4
7	J908118	BRACKET - lifting, rear.....	1
8	854-12025	BOLT - heavy hex flange, 12 - 1.75 x 25 mm, class 10.9	2

THERMOSTAT AND HOUSING

9	J903757	BRACKET - lifting, front.....	1
10	J914409	HOUSING - thermostat	1
	A77736	KIT - water, thermostat	1
11	J923331	GASKET - thermostat housing, replaces J920020 gasket.....	1
12	NSS	THERMOSTAT - water.....	1
13	845-8070	BOLT - heavy hex flange, 8 - 1.25 x 70 mm	2
14	845-8035	BOLT - heavy hex flange, 8 - 1.25 x 35 mm	1
15	J910713	SUPPORT - alternator mounting.....	1
16	845-8025	BOLT - heavy hex flange, 8 - 1.25 x 25 mm	3



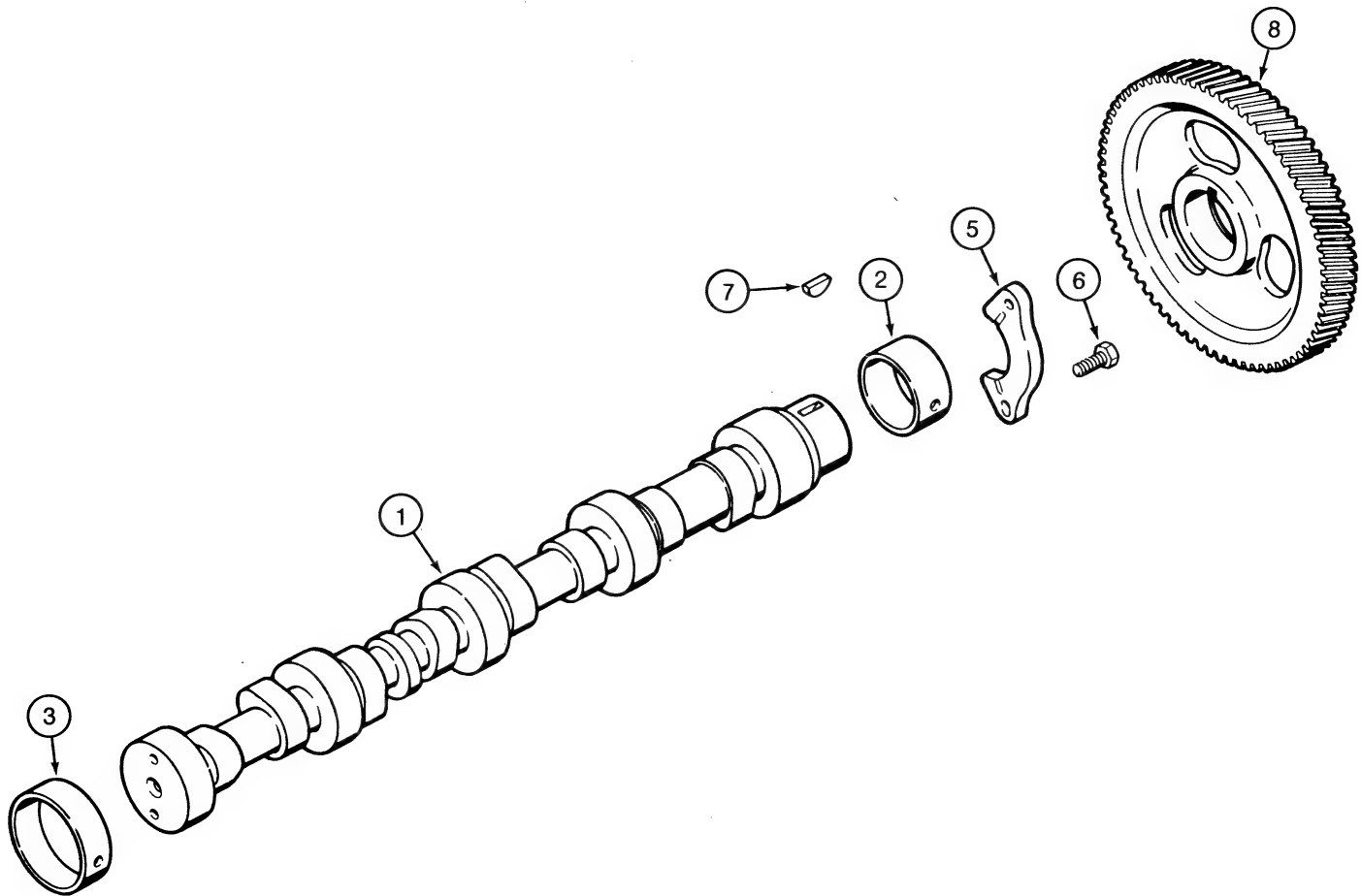
580 Super K Construction King Loader Backhoe CYLINDER HEAD AND VALVE MECHANISM

2-37

4-390 Engine
4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	JR920611	HEAD - cylinder, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC920611	RETURN NUMBER - use this part number to return head core for credit when using a remanufactured assembly	1
1	J920611	HEAD ASSEMBLY - cylinder, new, with valves	1
1	J920005	HEAD ASSEMBLY - cylinder, without valves	1
2	A77783	PLUG - expansion, 21 mm OD, replaces J902606 plug	3
3	A77429	PLUG - hex socket, 1/2 inch PT (one removed to install temperature sending unit)	5
4	J906619	PLUG - hex, 1/8 inch PT	2
5	J900250	KEEPER - valve	16
6	J900299	RETAINER - valve spring	8
7	J900276	SPRING - valve	8
8	J901097	SEAL - valve	8
9	J920867	VALVE - intake, replaces J901117 valve	4
10	J920868	VALVE - exhaust, replaces J901607 valve	4
11	J280911	PAD - wear, valve stem tip, for use on intake and exhaust valves, service repair only (replaces J910412)	UAR
12	J906854	SEAT - insert, intake valve, service repair only	4
13	J904105	SEAT - insert, exhaust valve, service repair only	4
14	*J904408	GUIDE - valve, intake, 14 mm OD, service repair only, if used	4
15	*J904409	GUIDE - valve, exhaust, 14 mm OD, service repair only, if used	4
16	*J906206	GUIDE - valve, intake and exhaust, 11 mm OD, service repair only, if used	8
17	J920779	BOLT - cylinder head, 70 mm long, replaces J903938 and J918471 bolts	4
17	J920780	BOLT - cylinder head, 120 mm long, replaces J903939 and J918472 bolts	10
18	J910814	SUPPORT AND SHAFT ASSEMBLY - rocker arm	4
19	J907555	PLUG - rocker arm shaft	1
20	J900242	RING - retaining, rocker arm	8
21	J900245	WASHER - thrust, rocker arm	8
22	J910811	ARM ASSEMBLY - rocker, intake	4
23	NSS	INSERT - rocker arm	1
24	J900706	SCREW - set, adjusting, special	1
25	425-116	NUT - hex, 3/8 inch NF	1
26	J910810	ARM ASSEMBLY - rocker, exhaust	4
27	NSS	INSERT - rocker arm	1
28	J900706	SCREW - set, adjusting, special	1
29	425-116	NUT - hex, 3/8 inch NF	1
30	814-8075	BOLT - hex, 8 - 1.25 x 75 mm	4
31	J920781	BOLT - cylinder head and rocker arm, replaces J903940 and J918473 bolts	4
32	J923262	ROD - push, rocker arm, replaces J904679 rod	8
33	J925031	TAPPET - valve, push rod, replaces J907240 tappet	8

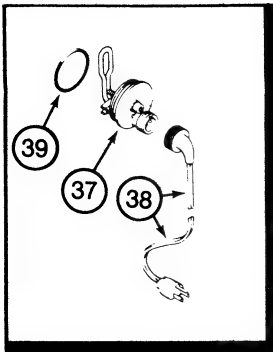
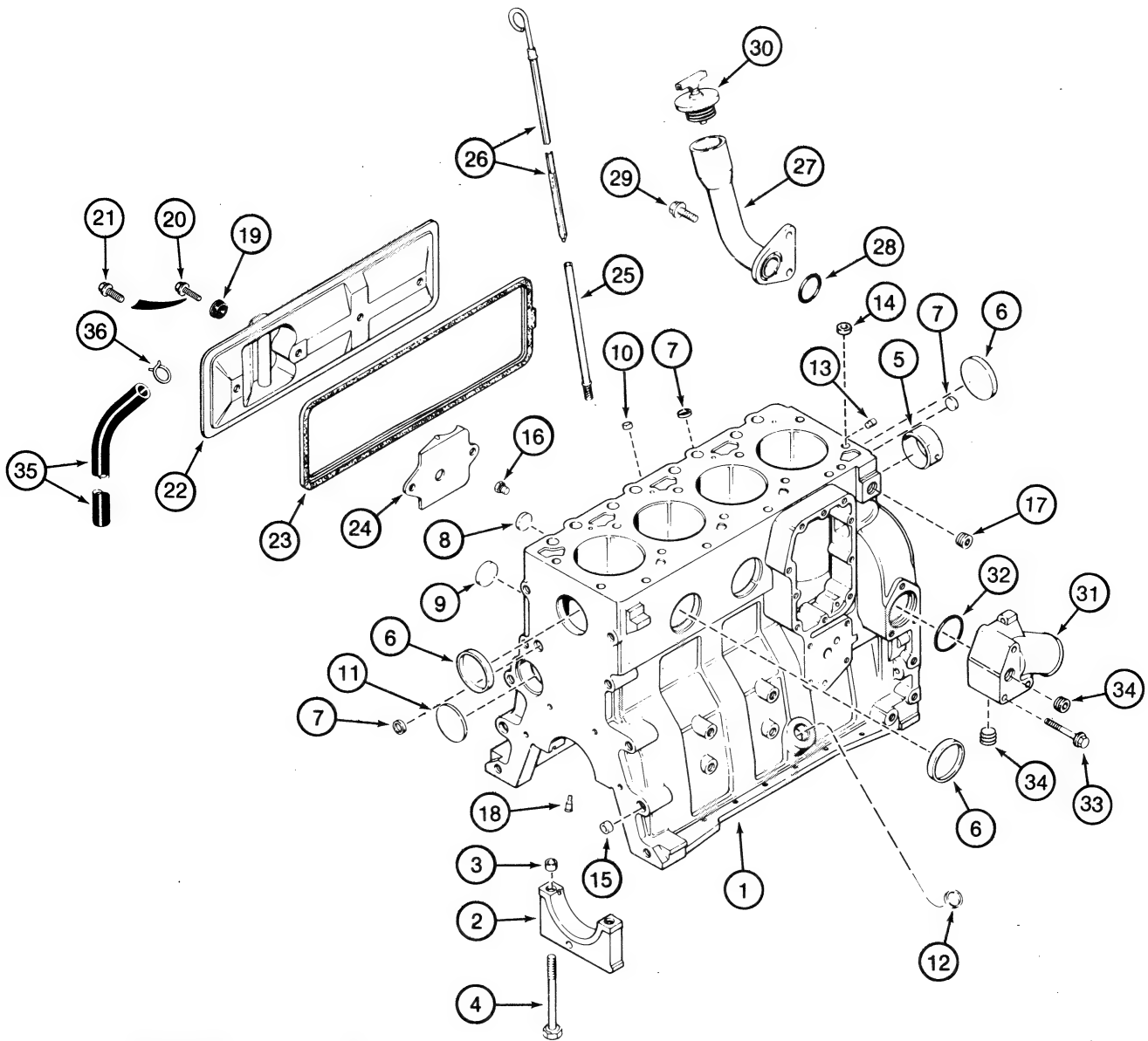
*NOTE: These parts are semi-finished valve guides.



CAMSHAFT**4-390 Engine****4T-390 Engine**

REF.	PART NO.	DESCRIPTION	REQD.
1	J925582	CAMSHAFT - engine (replaces J914638)	1
2	J901306	BUSHING - camshaft, front, standard	1
2	J904369	BUSHING - camshaft, front, oversize, 58 mm OD	1
3	*J903242	BUSHING - camshaft, intermediate and rear, service repair only	4
5	J914641	SUPPORT - thrust, camshaft	1
6	J900227	BOLT - hex, special	2
7	126-112	KEY - camshaft gear (replaces J902332)	1
8	J907431	GEAR - camshaft	1

***NOTE:** When the intermediate and rear cylinder block camshaft bores are reamed in engine repair, order and install item 3, J903242 bushings shown above.



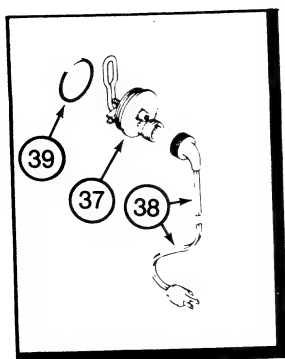
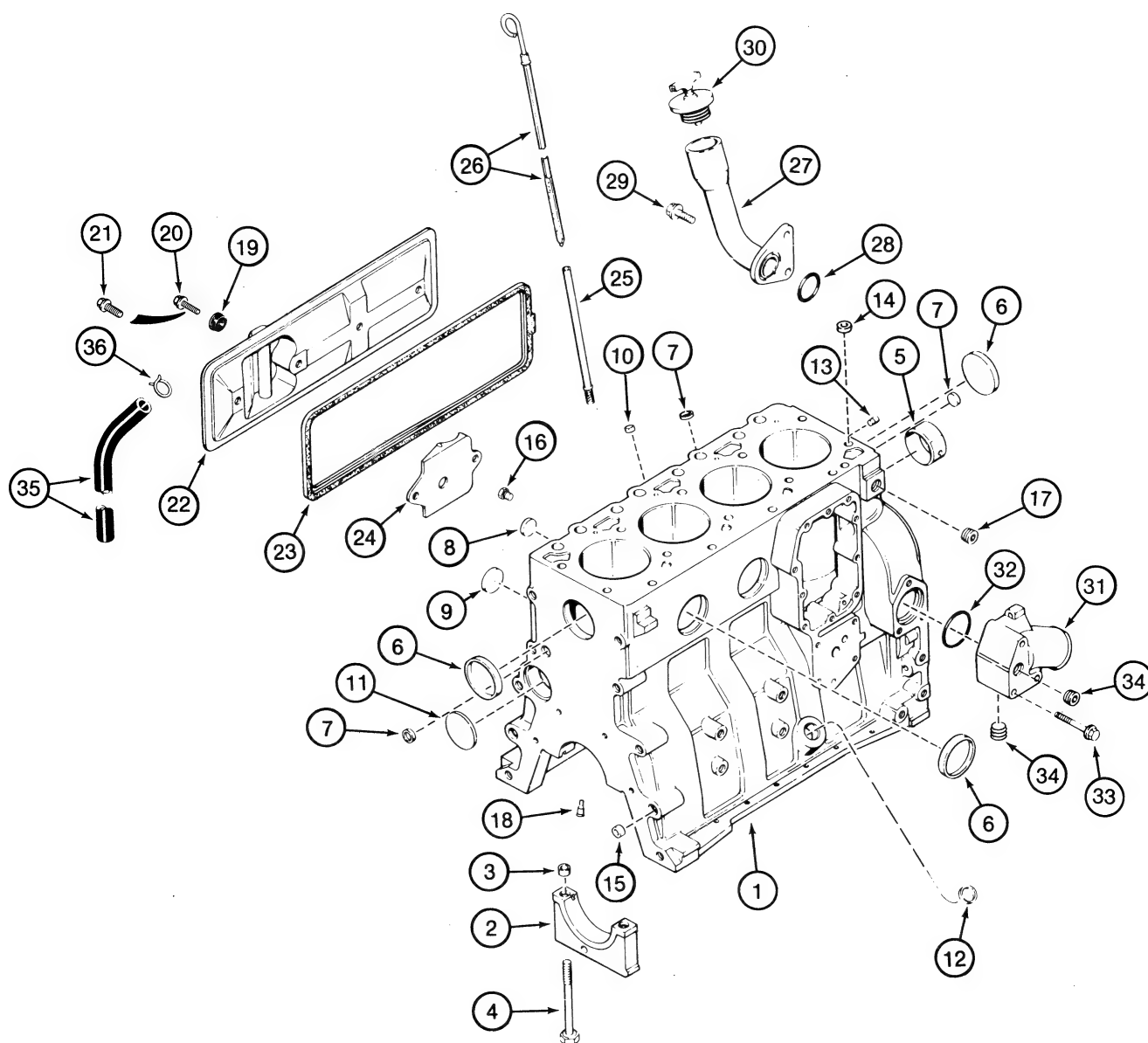
CYLINDER BLOCK

4-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	1989067C2	ENGINE ASSEMBLY - 4-390 standard (Naturally Aspirated) complete, new, includes all parts except starter, alternator, fan, fan belt, air cleaner, muffler and exhaust pipe, for service order 1989091C2 basic engine, below.....	1
	1989091C2R	ENGINE ASSEMBLY - remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	1989091C2C	RETURN NUMBER - use this part number to return engine assembly core for credit when using a remanufactured assembly.....	1
	1989091C2	ENGINE ASSEMBLY - basic, new, includes all parts except: starter, alternator, fan, fan belt, fan bracket, air cleaner, muffler, exhaust manifold, flywheel and housing, oil fill and dipstick, fuel injection pump, injectors and lines, front crank pulley, belt tensioner	1
	AR77758	BLOCK ASSEMBLY - short, engine, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	AC77758	RETURN NUMBER - use this part number to return short block core for credit when using a remanufactured assembly	1
	A77758	KIT - short block assembly, engine, new, includes stripped block, pistons, connecting rods and bearings, crankshaft and bearings, no longer available, order components J920384 short block and J920399 hardware kit separately.....	1
	*J920384	BLOCK ASSEMBLY - short, engine, new, includes stripped block, pistons, connecting rods and bearings, crankshaft and bearings.....	1
	A77757	KIT - stripped engine, no longer available, order components J916254 stripped engine and J920399 hardware kit separately.....	1
1	*J916254	BLOCK ASSEMBLY - stripped, engine	1
2	J900967	CAP - main bearing	5
3	J900068	RING - dowel, 18 mm OD	10
4	J904217	BOLT - bearing cap, special	10
5	REF	BUSHING - camshaft front, see page 2-39, item 2.....	1
6	A77782	PLUG - expansion, 58 mm OD, replaces J900965 plug.....	4
7	J900956	PLUG - expansion, 18 mm OD	3
8	41-1616	PLUG - expansion, 26 mm OD (replaces A77539)	2
	*J920399	KIT - block hardware.....	1
9	J900958	PLUG - expansion, 32 mm OD	2
10	J900955	PLUG - expansion, 10 mm OD	1
11	172599	PLUG - expansion, Welch, 60 mm OD (replaces J900687)	1
12	A77439	PLUG - expansion, 22 mm OD	1
13	J900257	PIN - dowel, 16 mm long	2
14	J902343	RING - dowel, 16 mm OD.....	2
15	J900068	RING - dowel, 18 mm OD.....	2
16	J906619	PLUG - hex, 1/8 inch PT	2
17	A77429	PLUG - hex socket, 1/2 inch PT.....	1
18	J919002	NOZZLE - piston cooling	4

***NOTE:** Order J920399 hardware kit when ordering J920384 block assembly or J916254 stripped block.

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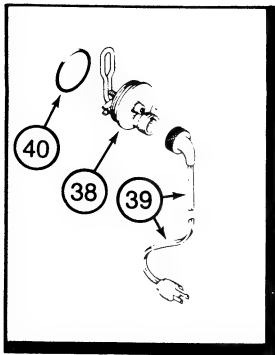
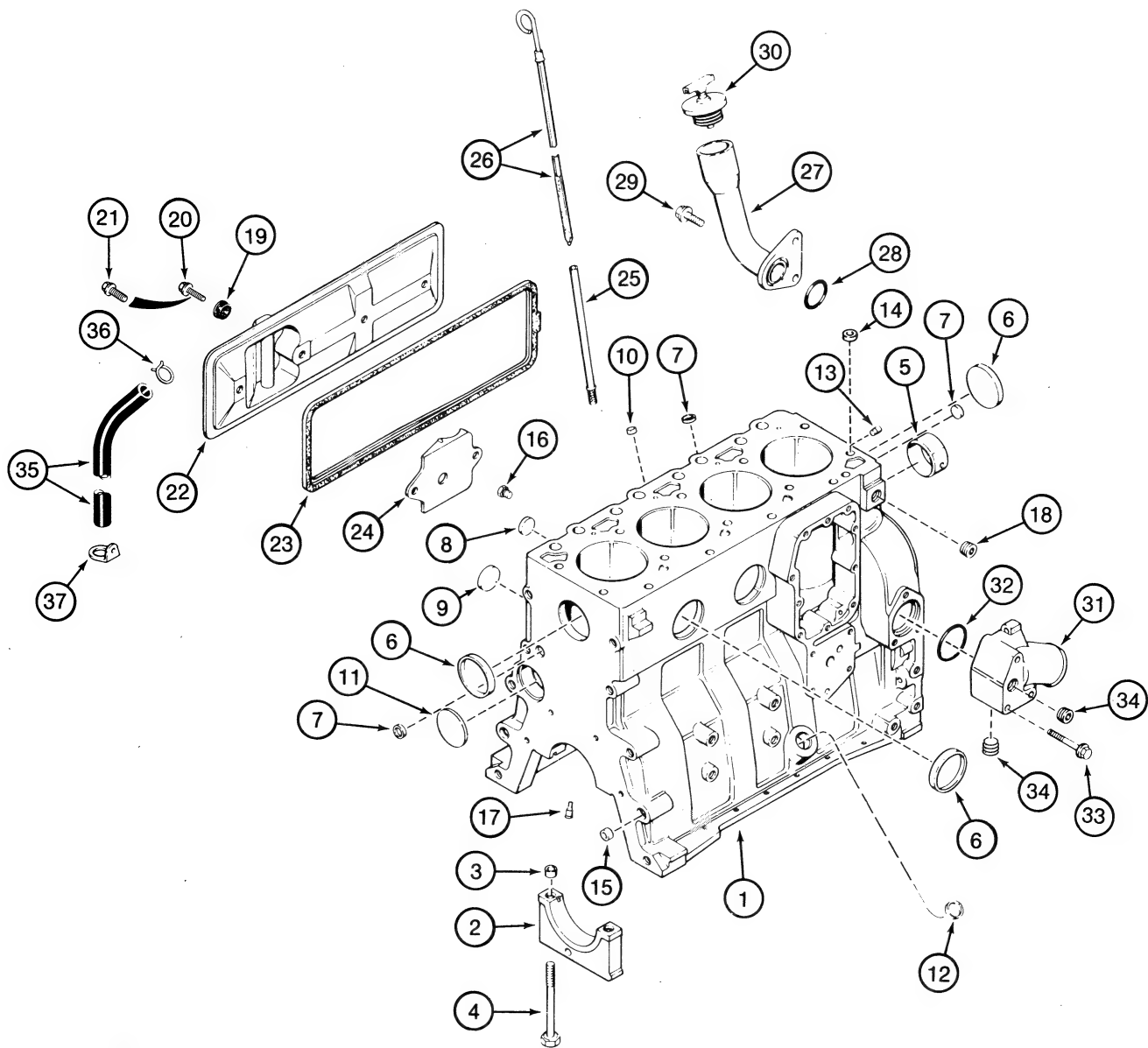


CYLINDER BLOCK**4-390 Engine**

REF.	PART NO.	DESCRIPTION	REQ'D.
19	J900267	SEAL - cover bolt.....	4
20	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm, if used.....	4
21	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm, if used.....	4
22	J925680	COVER - tappet, replaces J916441 cover	1
23	J922078	GASKET - tappet cover, replaces J904056 gasket	1
24	J907586	BAFFLE - tappet cover	1
25	J905779	TUBE - dipstick	1
26	J905781	DIPSTICK - oil level gauge	1
27	J905440	TUBE - oil fill	1
28	J906696	O-RING - sealing, 38 mm ID	1
29	854-12025	BOLT - heavy hex flange, 12 - 1.75 x 25 mm, class 10.9	2
30	A77424	CAP - fill, oil.....	1
31	J903102	CONNECTION - water inlet.....	1
32	J906697	O-RING - sealing, 50 mm ID	1
33	854-10075	BOLT - heavy hex flange, 10 - 1.50 x 75 mm, class 10.9	3
34	A77429	PLUG - hex socket, 1/2 inch PT	2
35	J918612	HOSE - breather, replaces J906593 hose	1
36	J904230	CLAMP - spring, hose.....	1

ENGINE BLOCK HEATER

	A77634	KIT - engine block heater	1
37	NSS	ELEMENT - engine heater, 120 volt.....	1
38	J905113	CABLE - heater block.....	1
39	J910517	O-RING - heater, sealing.....	1



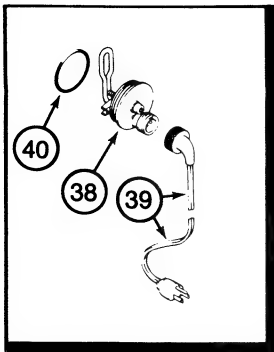
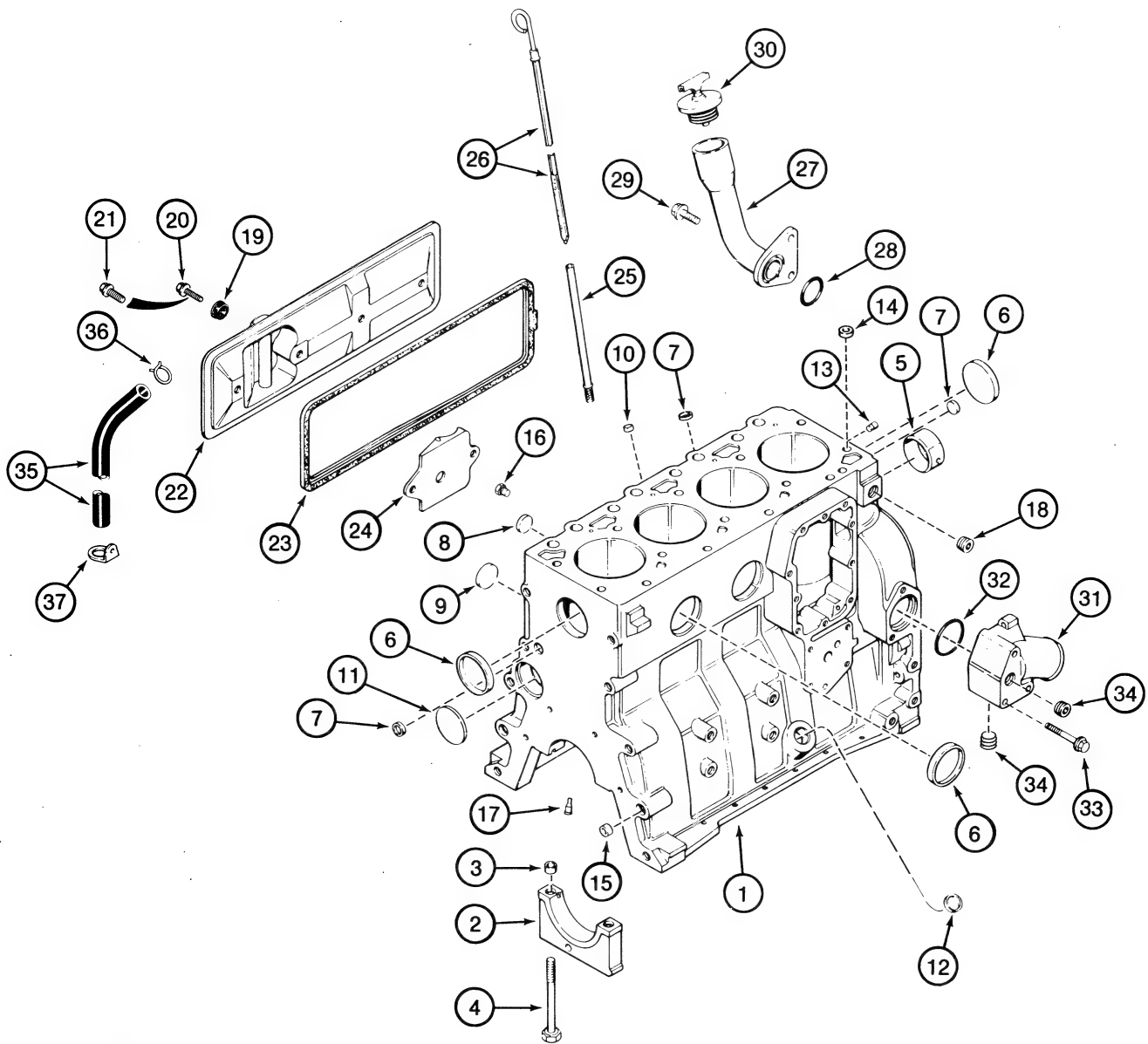
CYLINDER BLOCK

4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	1989068C2	ENGINE ASSEMBLY - 4T-390 standard (Turbocharged) complete, new, includes all parts except: starter, alternator, fan, fan belt, air cleaner, muffler and exhaust pipe, prior to tractor P.I.N. JJG0173468, for service order 1989092C2 basic engine, below.....	1
	1989071C2	ENGINE ASSEMBLY - 4T-390 standard (Turbocharged) complete, new, includes all parts except: starter, alternator, fan, fan belt, air cleaner, muffler and exhaust pipe, tractor P.I.N. JJG0173468 and after, for service order 1989092C2 basic engine, below.....	1
	1989092C2R	ENGINE ASSEMBLY - remanufactured, North America only, component parts on this page do not apply to the remanufactured assembly	1
	1989092C2C	RETURN NUMBER - use this part number to return engine assembly core for credit when using a remanufactured assembly	1
	1989092C2	ENGINE ASSEMBLY - basic, new, includes all parts except: starter, alternator, fan, fan belt, fan bracket, air cleaner, muffler, exhaust manifold, flywheel and housing, oil fill and dipstick, fuel injection pump, injectors and lines, front crank pulley, belt tensioner, and turbocharger.....	1
	JR920387	BLOCK ASSEMBLY - short, engine, remanufactured, North America only, component parts on this page do not apply to the remanufactured assembly, replaces AR77759	1
	AC77758	RETURN NUMBER - use this part number to return short block core for credit when using a remanufactured assembly	1
	*J920387	BLOCK ASSEMBLY - short, engine, includes stripped block, pistons, connecting rods and bearings, crankshaft and bearings	1
1	*J916254	BLOCK ASSEMBLY - stripped, engine	1
2	J900967	CAP - main bearing	5
3	J900068	RING - dowel, 18 mm OD	10
4	J904217	BOLT - bearing cap, special	10
5	REF	BUSHING - camshaft front, see page 2-39, item 2.....	1
6	A77782	PLUG - expansion, 58 mm OD, replaces J900965 plug	4
7	J900956	PLUG - expansion, 18 mm OD	3
8	41-1616	PLUG - expansion, 26 mm OD (replaces A77539)	2
	*J920399	KIT - block hardware.....	1
9	J900958	PLUG - expansion, 32 mm OD	2
10	J900955	PLUG - expansion, 10 mm OD	1
11	172599	PLUG - expansion, Welch, 60 mm OD (replaces J900687)	1
12	A77439	PLUG - expansion, 22 mm OD	1
13	J900257	PIN - dowel, 16 mm long	2
14	J902343	RING - dowel, 16 mm OD	2
15	J900068	RING - dowel, 18 mm OD	2
16	J906619	PLUG - hex, 1/8 inch PT	2
17	J919002	NOZZLE - piston cooling	6
18	A77429	PLUG - hex socket, 1/2 inch PT	1

***NOTE:** Order J920399 hardware kit when ordering J920387 block or J916254 stripped block.

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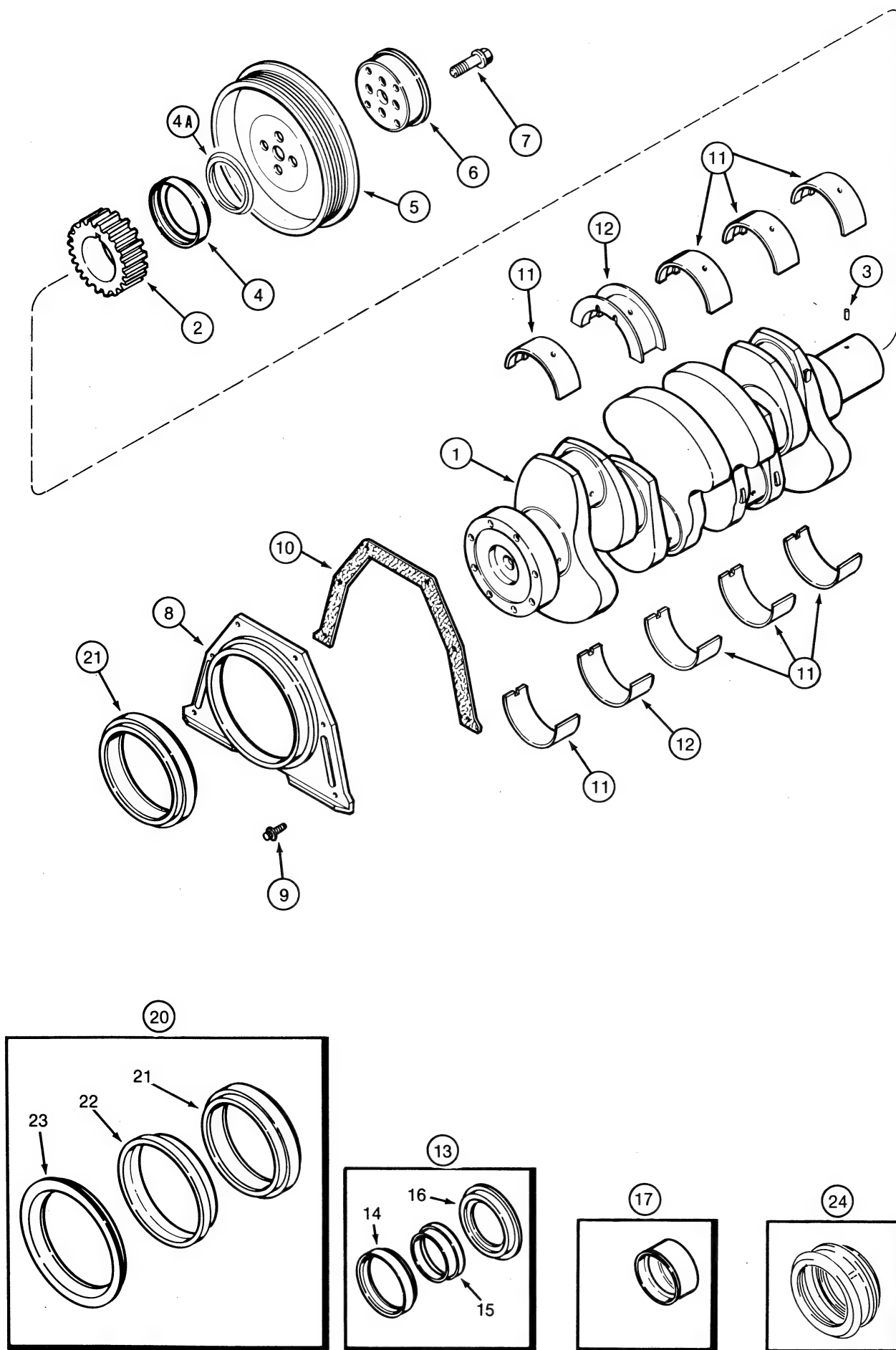
580 Super K Construction King Loader Backhoe
CYLINDER BLOCK
4T-390 Engine

2-47

REF.	PART NO.	DESCRIPTION	REQ'D.
19	J900267	SEAL - cover bolt.....	4
20	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm, if used.....	4
21	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm, if used.....	4
22	J925680	COVER - tappet, replaces J916441 and J905023 cover	1
23	J922078	GASKET - tappet cover, replaces J904056 gasket	1
24	J907586	BAFFLE - tappet cover	1
25	J905779	TUBE - dipstick	1
26	J905781	DIPSTICK - oil level gauge	1
27	J905440	TUBE - oil fill	1
28	J906696	O-RING - sealing, 38 mm ID	1
29	854-12025	BOLT - heavy hex flange, 12- 1.75 x 25 mm, class 10.9	2
30	A77424	CAP - fill, oil.....	1
31	J903102	CONNECTION - water inlet.....	1
32	J906697	O-RING - sealing, 50 mm ID	1
33	854-10075	BOLT - heavy hex flange, 10 - 1.50 x 75 mm, class 10.9	3
34	A77429	PLUG - hex socket, 1/2 inch PT	2
35	J918612	HOSE - breather, replaces J906593 hose	1
36	J904230	CLAMP - spring, hose.....	1
37	J909670	CLIP - retaining	1

ENGINE BLOCK HEATER

	A77634	KIT - engine block heater	1
38	NSS	ELEMENT - engine heater, 120 volt.....	1
39	J905113	CABLE - heater, block.....	1
40	J910517	O-RING - heater, sealing.....	1

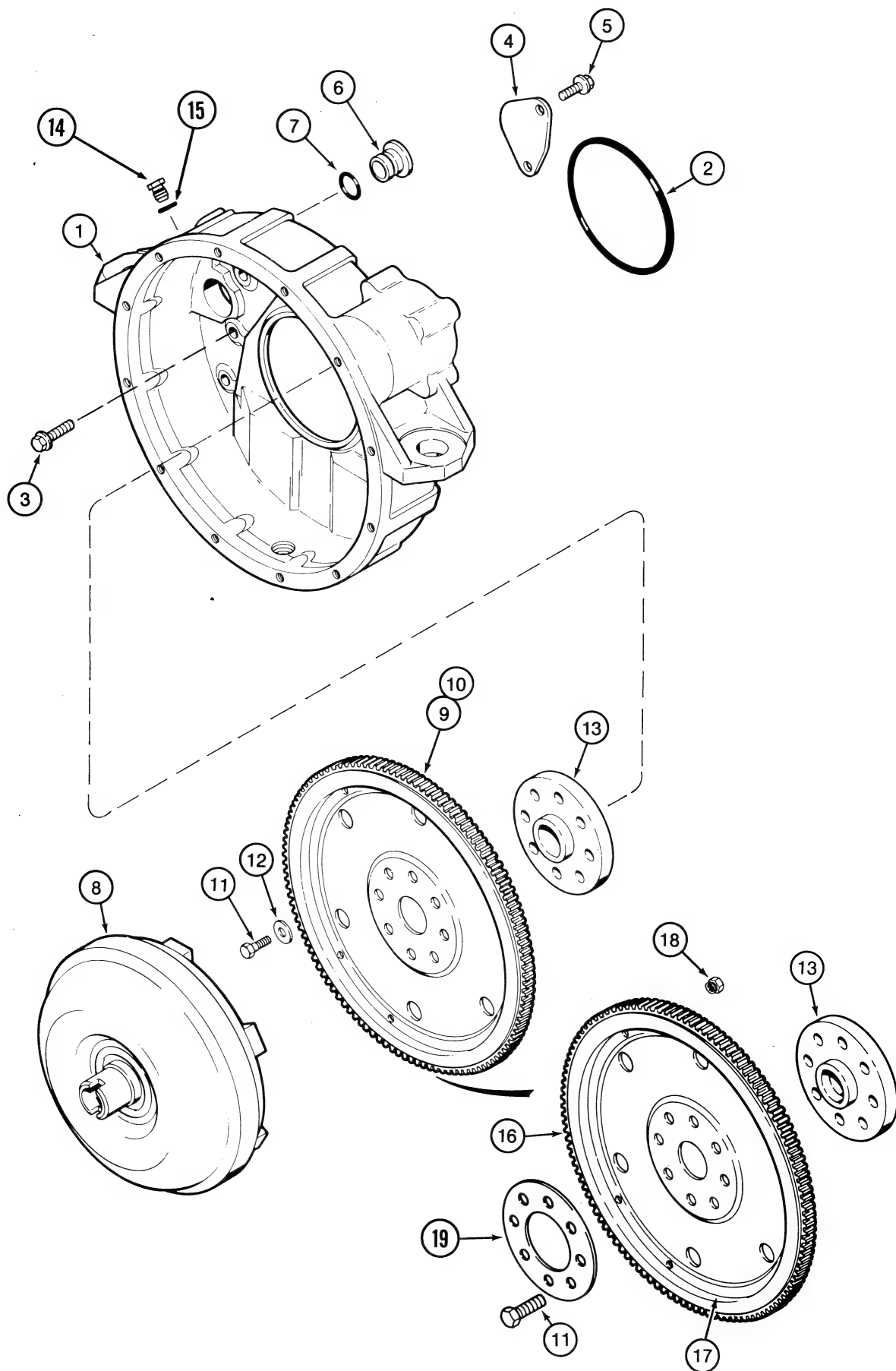


CRANKSHAFT

4-390 Engine

4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	JR918323	CRANKSHAFT ASSEMBLY - remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, part will no longer be remanufactured, order J918323	1
	JC908031	RETURN NUMBER - use this part number to return crankshaft for credit when using a remanufactured assembly	1
1	J918323	CRANKSHAFT ASSEMBLY - engine, new	1
2	J919681	GEAR - crankshaft, replaces J912883 gear	1
3	J904483	PIN - dowel	1
4	NSS	SEAL - oil, crankshaft front, order item 13 kit	1
4A	J926430	SHIELD - crank seal, dust, service repair only	1
5	J914494	PULLEY - crankshaft dampener	1
6	J905820	FLANGE - adapter, pulley	1
7	J903857	BOLT - hex flange, 12 - 1.75 x 36 mm	4
8	J921043	RETAINER - rear seal, replaces J913447 retainer	1
9	845-6015	BOLT - heavy hex flange, 6 - 1.00 x 15 mm	6
10	J914386	GASKET - seal retainer	1
11	A77405	BEARING - main, standard, upper and lower set	4
11	A77472	BEARING - main, 0.25 mm undersize, upper and lower	4
11	A77474	BEARING - main, 0.50 mm undersize, upper and lower	4
11	A77476	BEARING - main, 0.75 mm undersize, upper and lower	4
11	A77478	BEARING - main, 1.00 mm undersize, upper and lower	4
12	A77406	BEARING - main thrust, standard, upper and lower set	1
12	A77473	BEARING - main thrust, 0.25 mm undersize, upper and lower set	1
12	A77475	BEARING - main thrust, 0.50 mm undersize, upper and lower set	1
12	A77477	BEARING - main thrust, 0.75 mm undersize, upper and lower set	1
12	A77479	BEARING - main thrust, 1.00 mm undersize, upper and lower set	1
13	J904353	KIT - oil seal, crankshaft front	1
14	NSS	SEAL - oil, front	1
15	NSS	TOOL - installation	1
16	NSS	TOOL - installation	1
17	J906080	SLEEVE - wear, crankshaft front	1
20	J909411	KIT - oil seal, crankshaft rear	1
21	NSS	SEAL - oil, rear	1
22	NSS	TOOL - installation	1
23	NSS	TOOL - installation	1
24	J906081	SLEEVE - wear, crankshaft rear	1

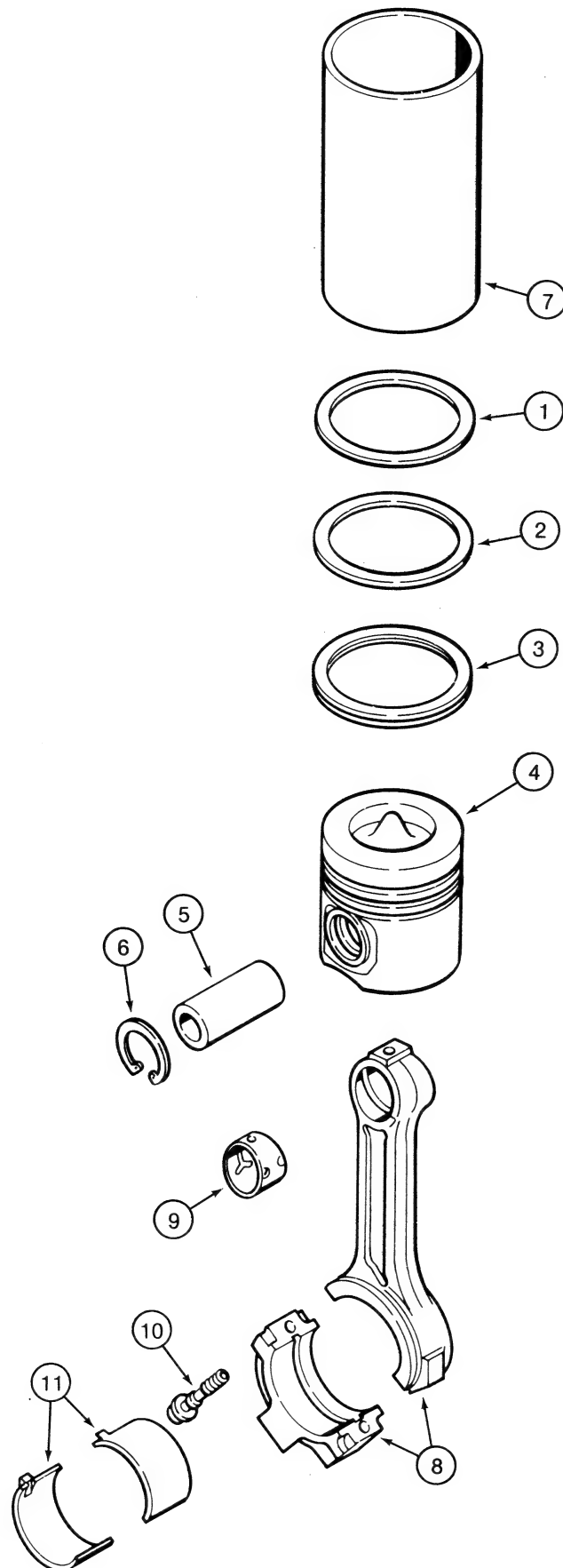


FLEX PLATE AND HOUSING

4-390 Engine

4T-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
1	J903287	HOUSING - flywheel.....	1
2	J912473	O-RING - housing to block.....	1
3	854-12040	BOLT - heavy hex flange, 12 - 1.75 x 40 mm, class 10.9.....	8
4	J908095	PLATE - cover	1
5	J902735	BOLT - hex, flange, plate retaining.....	2
6	J910248	PLUG - housing	1
7	238-5212	O-RING - 7/8 ID x 1/8 inch wide.....	1
8	REF	CONVERTER - torque, see Section 6.....	1
9	J918961	PLATE ASSEMBLY - flex, no longer available, for service order J922595 plate assembly, items 16 - 18	1
10	NSS	GEAR - flex plate, 159 teeth.....	1
11	J901395	BOLT - hex, special	8
12	J900269	WASHER - flat, flex plate bolt, if used	8
13	J913689	ADAPTER - crankshaft.....	1
14	218-5156	PLUG - hex, 3/4-16 inch O-ring boss.....	1
15	237-6008	O-RING - 15/32 ID x 5/64 inch.....	1
	J922595	PLATE ASSEMBLY - flex.....	1
16	NSS	GEAR - ring, flywheel	1
17	NSS	PLATE - flex.....	1
18	NSS	NUT - sealing	6
19	J904361	RING - clamping, if used	1



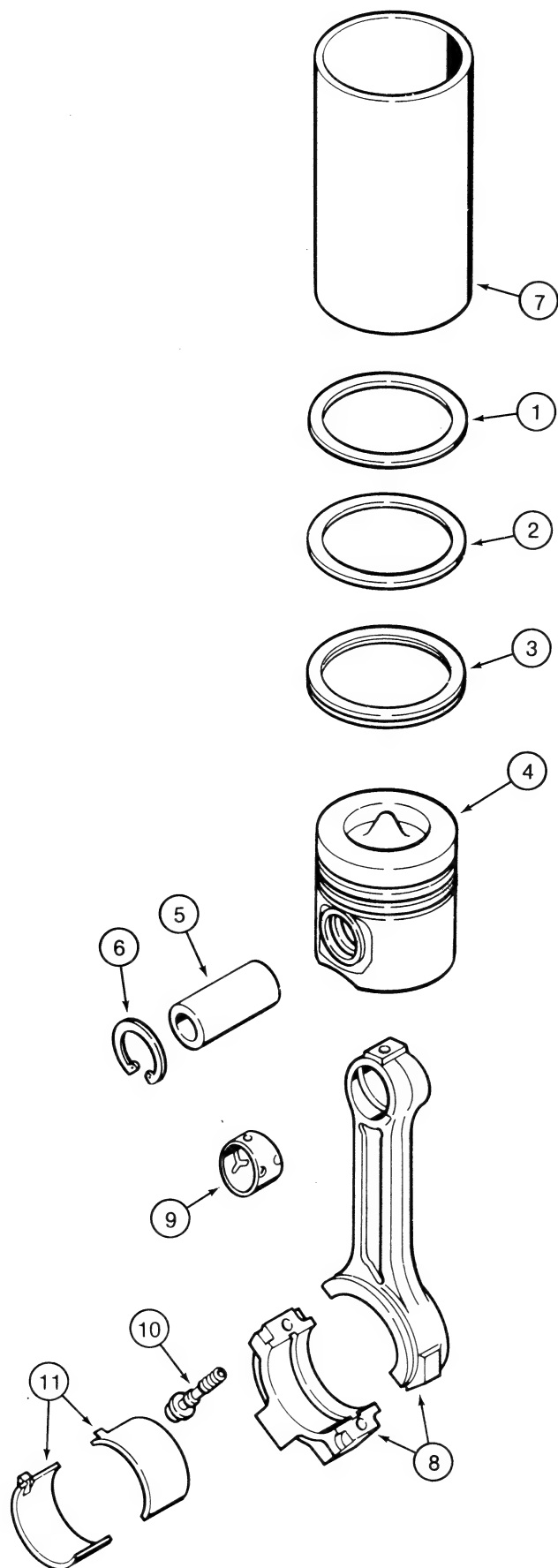
PISTONS AND CONNECTING RODS

4-390 Engine

REF.	PART NO.	DESCRIPTION	REQD.
	A77410	KIT - piston, standard	4
	A77401	KIT - ring, standard	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle.....	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, standard (Stamped 6223).....	1
5	J901793	PIN - piston.....	1
6	J901706	RING - retainer, pin	2
	A77411	KIT - piston, 0.5 mm oversize.....	4
	A77463	KIT - ring, 0.5 mm oversize.....	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle.....	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 0.5 mm oversize (Stamped 6209)	1
5	J901793	PIN - piston.....	1
6	J901706	RING - retainer, pin	2
	A77412	KIT - piston, 1.0 mm oversize.....	4
	A77464	KIT - ring, 1.0 mm oversize.....	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle.....	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 1.0 mm oversize (Stamped 6208)	1
5	J901793	PIN - piston.....	1
6	J901706	RING - retainer, pin	2
7	J904166	LINER - piston, used only in engine block repair (When liner is installed, use A77410 piston kit)	UAR

CONNECTING RODS

	JR925232	ROD ASSEMBLY - connecting, remanufactured, North America only, component parts on this page to not apply to the remanufactured assembly, replaces JR901569 rod assembly	UAR
	JC925232	RETURN NUMBER - use this part number to return connecting rod for credit when using a remanufactured assembly, replaces JC901569	UAR
	J925232	ROD ASSEMBLY - connecting, replaces J901569 rod assembly	4
8	NSS	ROD - connecting, includes both halves.....	1
9	J901085	BUSHING - rod to piston pin	1
10	J900919	BOLT - hex, special.....	2
11	A77465	KIT - bearing, standard, upper and lower set.....	4
11	A77466	KIT - bearing, 0.25 mm undersize, upper and lower set	4
11	A77467	KIT - bearing, 0.50 mm undersize, upper and lower set	4
11	A77468	KIT - bearing, 0.75 mm undersize, upper and lower set	4
11	A77469	KIT - bearing, 1.00 mm undersize, upper and lower set	4

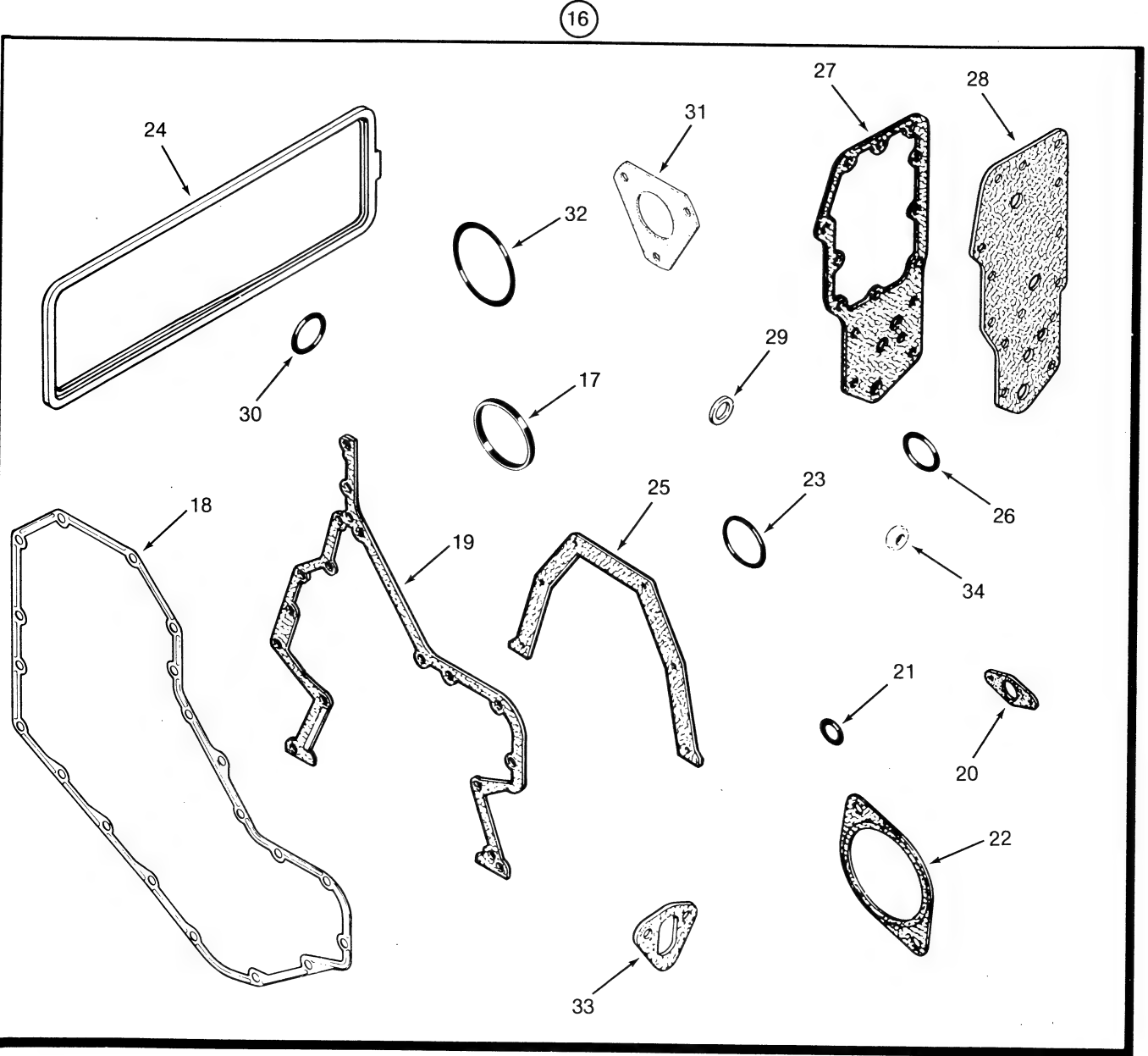
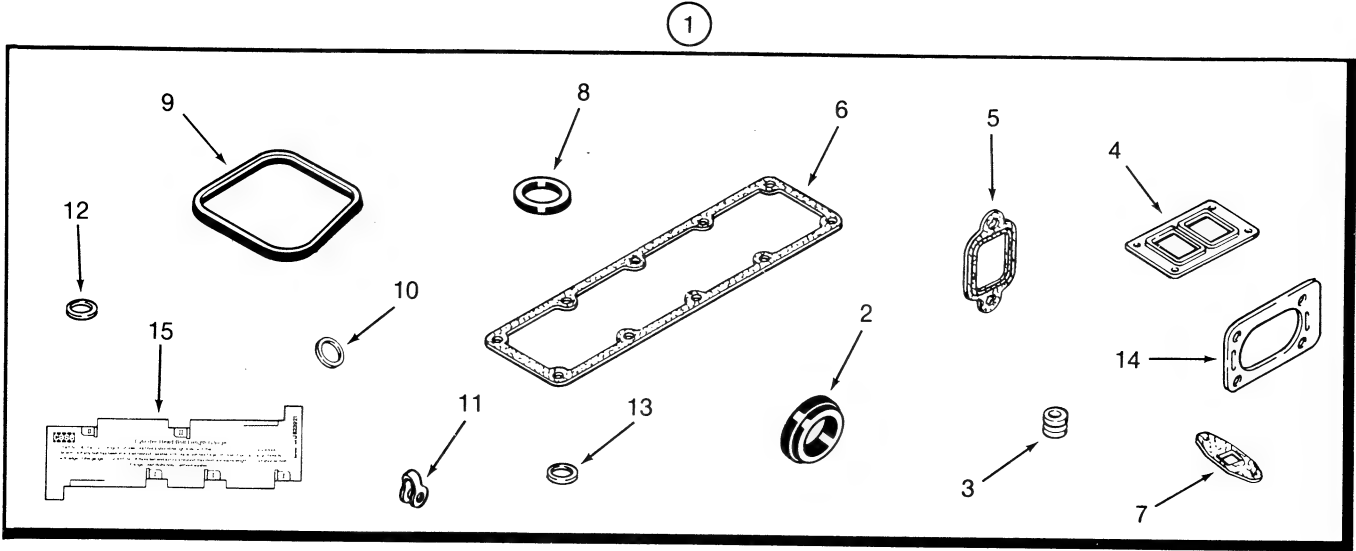


PISTONS**4T-390 Engine**

REF.	PART NO.	DESCRIPTION	REQ'D.
	A77730	KIT - piston, standard	4
	A77727	KIT - ring, standard	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle.....	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, standard (Stamped 7163).....	1
5	J901793	PIN - piston.....	1
6	J901706	RING - retainer, pin	2
	A77731	KIT - piston, 0.5 mm oversize.....	4
	A77728	KIT - ring, 0.5 mm oversize.....	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle.....	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 0.5 mm oversize (Stamped 8815)	1
5	J901793	PIN - piston.....	1
6	J901706	RING - retainer, pin	2
	A77732	KIT - piston, 1.0 mm oversize.....	4
	A77729	KIT - ring, 1.0 mm oversize.....	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle.....	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 1.0 mm oversize (Stamped 8816)	1
5	J901793	PIN - piston.....	1
6	J901706	RING - retainer, pin	2
7	J904166	LINER - piston, used only in engine block repair (When liner is installed, use A77730 piston kit)	UAR

CONNECTING RODS

	JR925232	ROD ASSEMBLY - connecting, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, replaces JR901569 rod assembly.....	UAR
	JC925232	RETURN NUMBER - use this part number to return connecting rod for credit when using a remanufactured assembly, replaces JC901569	UAR
	J925232	ROD ASSEMBLY - connecting, replaces J901569 rod assembly	4
8	NSS	ROD - connecting, includes both halves.....	1
9	J901085	BUSHING - rod to piston pin	1
10	J900919	BOLT - hex, special.....	2
11	A77465	KIT - bearing, standard, upper and lower set.....	4
11	A77466	KIT - bearing, 0.25 mm undersize, upper and lower set	4
11	A77467	KIT - bearing, 0.50 mm undersize, upper and lower set.....	4
11	A77468	KIT - bearing, 0.75 mm undersize, upper and lower set.....	4
11	A77469	KIT - bearing, 1.00 mm undersize, upper and lower set.....	4



ENGINE GASKET KITS**4-390 Engine****4T-390 Engine**

REF.	PART NO.	DESCRIPTION	REQD.
------	----------	-------------	-------

Valve Grind Kit

1	*A77792	KIT - gasket, valve grind.....	1
2	J923331	GASKET - thermostat housing, replaces J920020 gasket.....	1
3	J901097	SEAL - intake and exhaust valve guides.....	8
4	J901356	GASKET - turbocharger to manifold.....	1
5	J905443	GASKET - exhaust manifold.....	4
6	J914028	GASKET - intake manifold.....	1
7	J914388	GASKET - oil drain tube.....	1
8	J902363	SEAL - oil fill cap.....	1
9	J902666	SEAL - rocker cover.....	4
10	J900808	SEAL - 9 mm, injector, not used in this application.....	4
11	J903380	SEAL - connector, fuel return manifold tube.....	4
12	J906659	SEAL - 7 mm, injector tip, replaces J920174 seal.....	4
13	J909356	SEAL - injector body.....	4
14	J914856	GASKET - air crossover connection.....	1
15	J823921	GAUGE - bolt length, cylinder head.....	1

Cylinder Block Kit

16	**A77671	KIT - gasket, cylinder block.....	1
17	J903475	SEAL - front access cover.....	1
18	J914385	GASKET - front gear cover to housing.....	1
19	J916131	GASKET - timing gear housing.....	1
20	J905595	GASKET - timing pin housing, not used in this application.....	1
21	J913994	O-RING - sealing, timing pin.....	1
22	J919601	GASKET - accessory drive cover plate, replaces J913192 gasket.....	1
23	238-5341	O-RING - 3-1/2 ID x 3/16 inch, water pump.....	1
24	J922078	GASKET - tappet cover, replaces J904056 gasket.....	1
25	J914386	GASKET - seal retainer, crankshaft.....	1
26	J906697	O-RING - sealing, 50 mm ID, water inlet connection.....	1
27	J918256	GASKET - cooler core, oil.....	1
28	J918257	GASKET - filter head.....	1
29	J902425	WASHER - seal, plug, oil pan.....	1
30	J906696	O-RING - sealing, engine oil fill tube.....	1
31	J914389	GASKET - fuel injection pump mounting.....	1
32	J912473	O-RING - flywheel housing to block.....	1
33	J914304	GASKET - fuel lift pump.....	1
34	J900267	SEAL - tappet cover bolt.....	4

***NOTE:** When just the valve grind gasket kit is used, also order the required cylinder head gasket, item 2, page 2-35.

****NOTE:** For complete engine overhaul, order (1) cylinder block kit, (1) valve grind kit, (1) oil pan kit, page 2-33, front and rear crankshaft seal kit, page 2-49, and required cylinder head gasket, page 2-35.

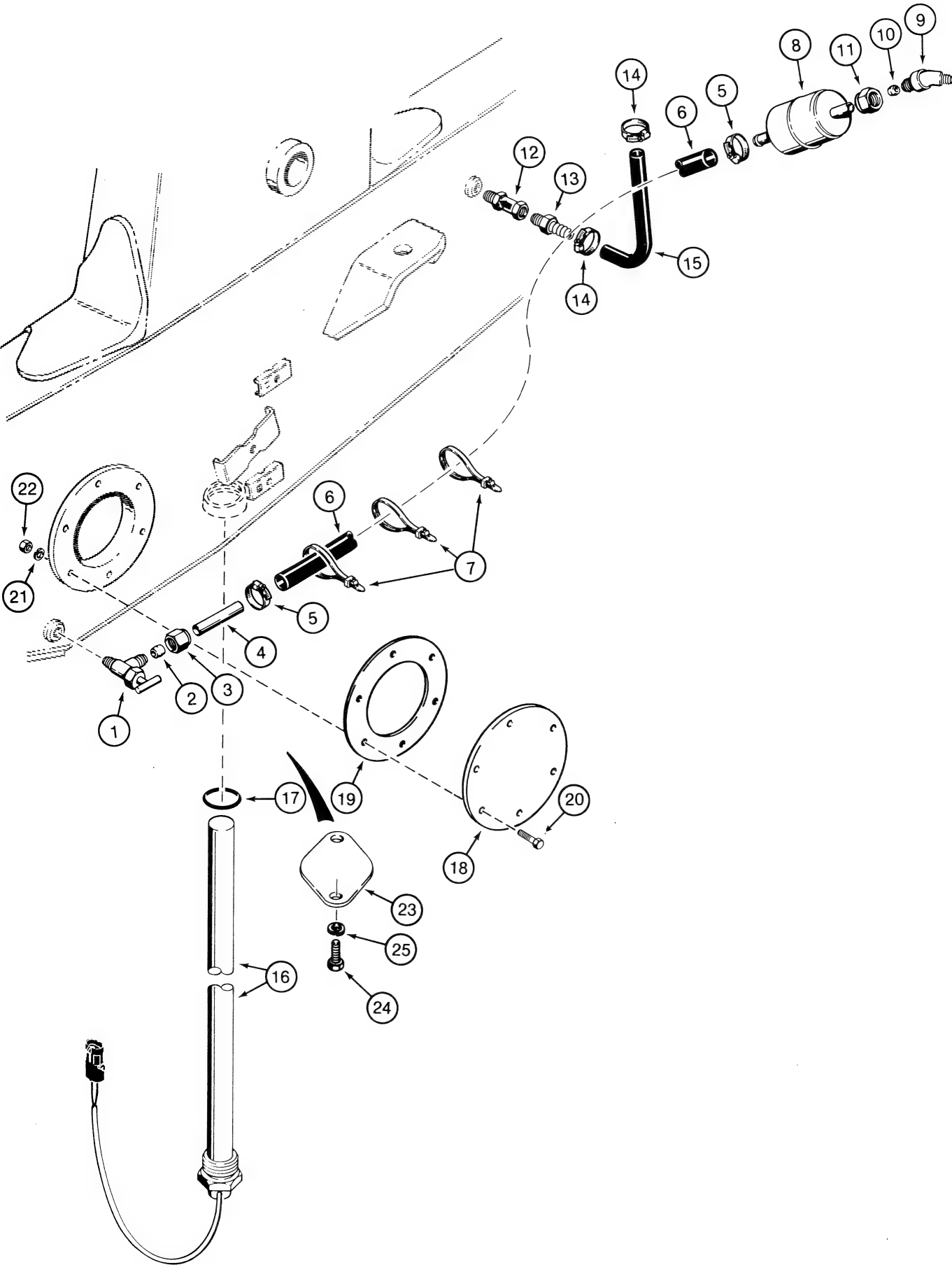


ALPHABETICAL INDEX

FUEL SYSTEM

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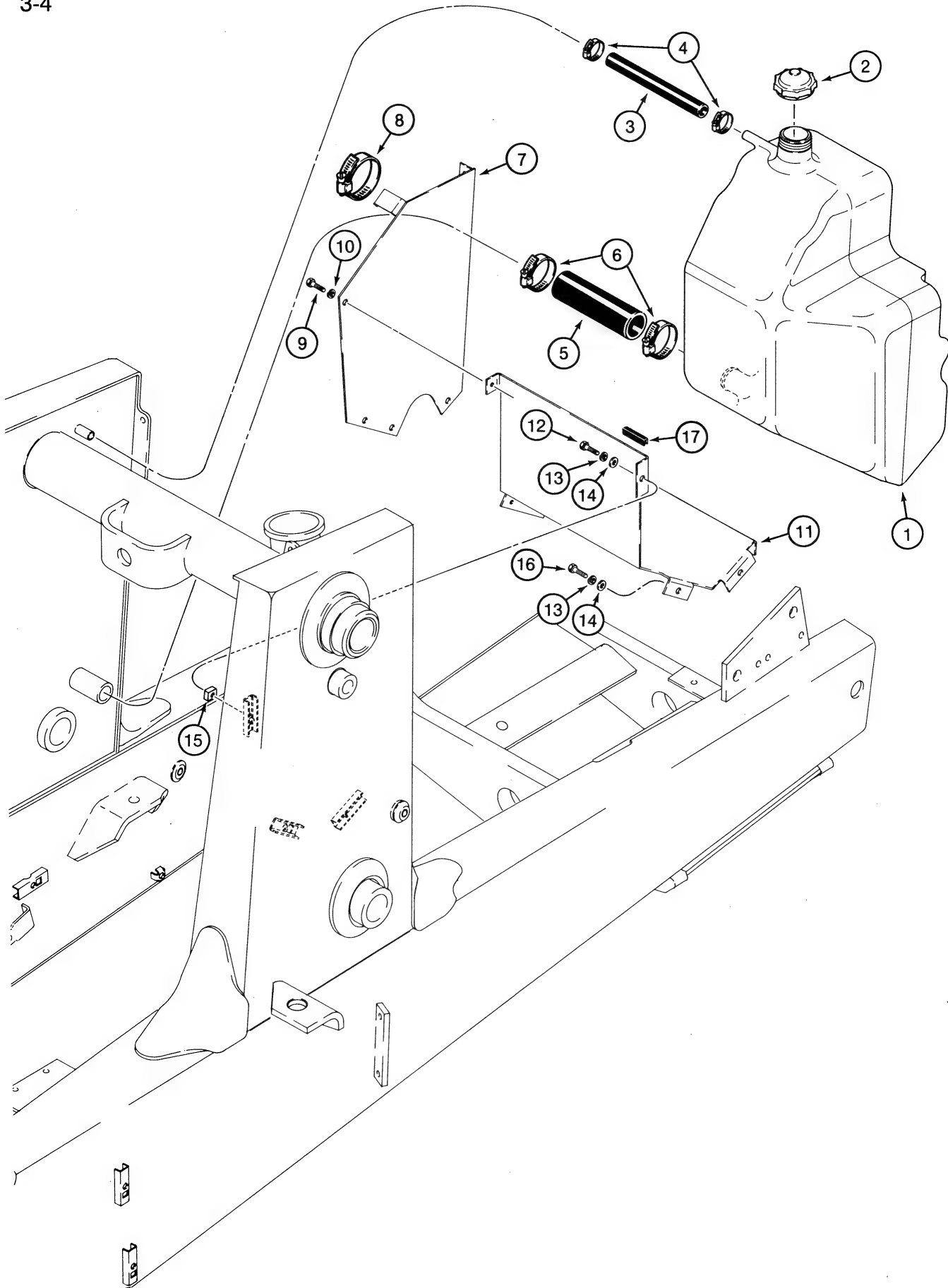


580 Super K Construction King Loader Backhoe

FUEL RESERVOIR LINES AND FUEL LEVEL SENDER

3-3

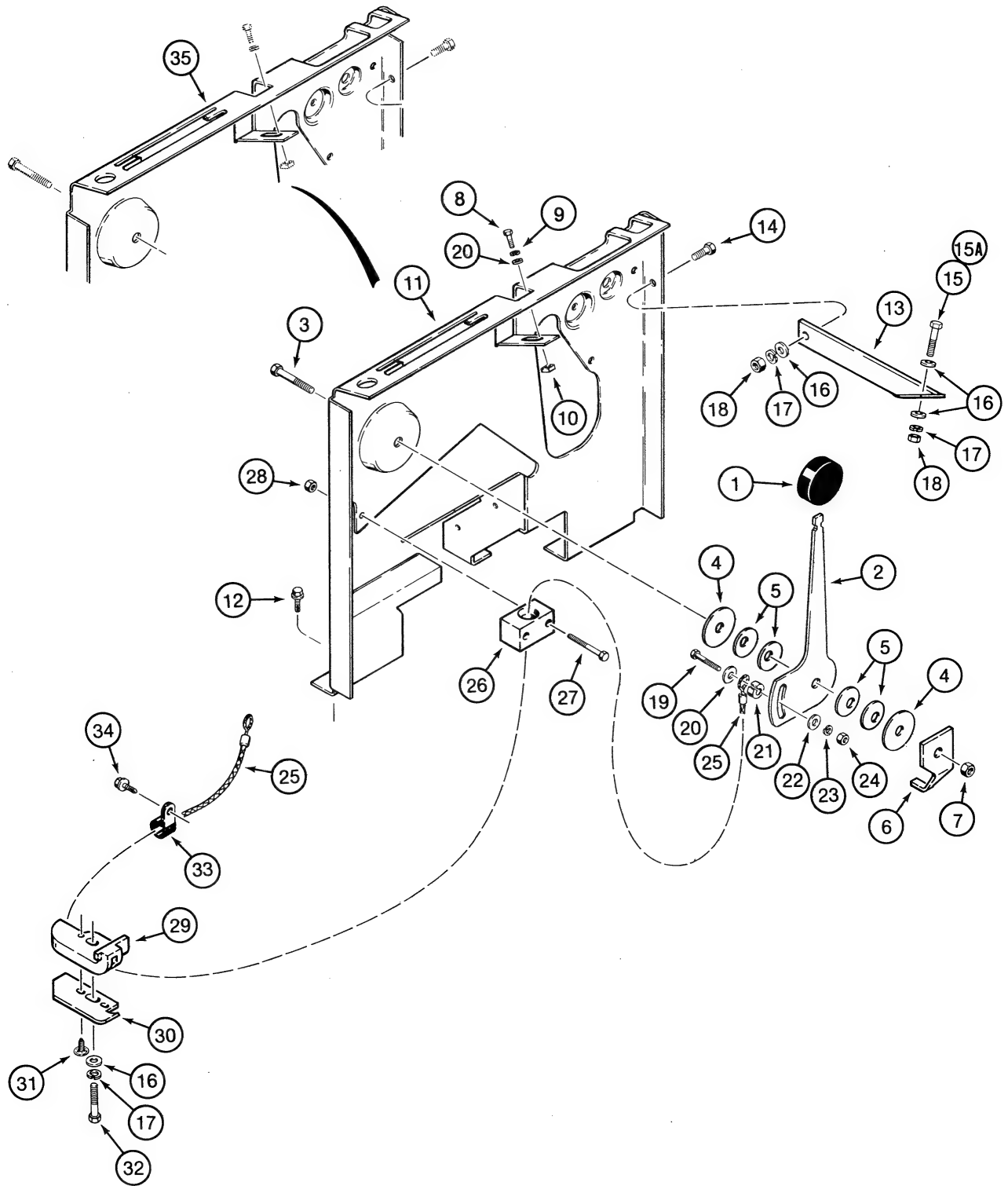
REF.	PART NO.	DESCRIPTION	REQD.
	D74027	VALVE ASSEMBLY - shutoff, fuel tank outlet	1
1	NSS	BODY - shutoff valve	1
2	222-654	SLEEVE - tapered, 3/8 inch tube OD	1
3	222-664	NUT - hex, 3/8 tube OD x 9/16-24 inch	1
4	D145358	TUBE - fuel line	1
5	214-1704	CLAMP - adj, 1/4 - 5/8 inch dia	2
6	L79833	HOSE - 3/8 inch ID x 46 inch long, fuel line (replaces D145096), cut to required length from S118400 bulk hose, see below	1
7	L18337	STRAP - nylon, retaining, attaches fuel line hose to loader inlet valve tube	3
8	D145357	FILTER - fuel, in-line	1
	222-95	ELBOW - 45 degree, compression, 3/8 tube OD x 1/4 inch PT to engine fuel pump	1
9	NSS	BODY - elbow	1
10	222-104	SLEEVE - 3/8 inch tube OD	1
11	222-114	NUT - hex, 3/8 tube OD x 5/8-24 inch	1
12	A177556	VALVE - check, anti-drain	1
13	217-119	ADAPTER - straight, 1/4 barb end x 1/4 inch PT	1
14	214-1404	CLAMP - adj, 1/4 - 5/8 inch dia	2
15	*D141617	HOSE - 6 mm ID x 241 mm long, cut from A21561 bulk hose, see below, engine injector return line	1
	120380A1	SENDER ASSEMBLY - fuel level, models without auxiliary fuel tank, has red dot, registers 24 gallons full (replaces D147998)	1
	120379A1	SENDER ASSEMBLY - fuel level, models with auxiliary fuel tank, registers 31 gallons full (replaces D144819)	1
16	NSS	SENDER - electronic	1
17	237-6024	O-RING - 1-23/32 ID x 1/8 inch wide	1
18	D150213	COVER - fuel flange; 1 used if 3 mm thick, 2 used if 2 mm thick	1-2
19	D129228	GASKET - fuel flange cover	1
20	413-416	BOLT - hex, 1/4 NC x 1 inch	6
21	492-11025	WASHER - lock, 1/4 inch	6
22	425-104	NUT - hex, 1/4 inch NC	6
	*A21561	HOSE - bulk, 1/4 (6) x 1/2 (12) x 25 ft (7620 mm) long	UAR
	S118400	HOSE - bulk, 3/8 (10) x 19/32 (15) x 25 ft (7620 mm) long	1



AUXILIARY FUEL RESERVOIR

REF.	PART NO.	DESCRIPTION	REQD.
1	D150281	RESERVOIR - fuel, auxiliary	1
2	D150282	CAP - fuel reservoir	1
3	D145006	HOSE - 16 mm ID x 225 mm long, vent, auxiliary tank to main tank.....	1
4	214-1410	CLAMP - adj, 9/16 - 1-1/16 inch diameter (replaces 214-255, 214-253).....	2
5	D144922	HOSE - 38 mm ID x 195 mm long, fuel fill, auxiliary tank to main fuel tank.....	1
6	214-1428	CLAMP - adj, 1-5/16 - 2-1/4 inch diameter	2
7	D145020	PLATE - auxiliary tank mounting, side.....	1
8	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, plate to cross tube	1
9	281-14812	BOLT - hex washer head, self-tapping, 5/16 NC x 3/4 inch (replaces D141589).....	4
10	492-11031	WASHER - lock, 5/16 inch	4
11	D145018	BRACKET - auxiliary tank mounting, lower	1
12	413-614	BOLT - hex, 3/8 NC x 7/8 inch	1
13	492-11038	WASHER - lock, 3/8 inch.....	3
14	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	3
15	224-2246	NUT - square, 3/8 inch NC.....	3
16	413-612	BOLT - hex, 3/8 NC x 3/4 inch	2
17	D36180	TRIM - edge, 2-1/4 inch (57 mm) long, cut to required length from F42827 trim, see below.....	1
	F42827	TRIM - edge, 116 inch (2946 mm) long, bulk.....	UAR

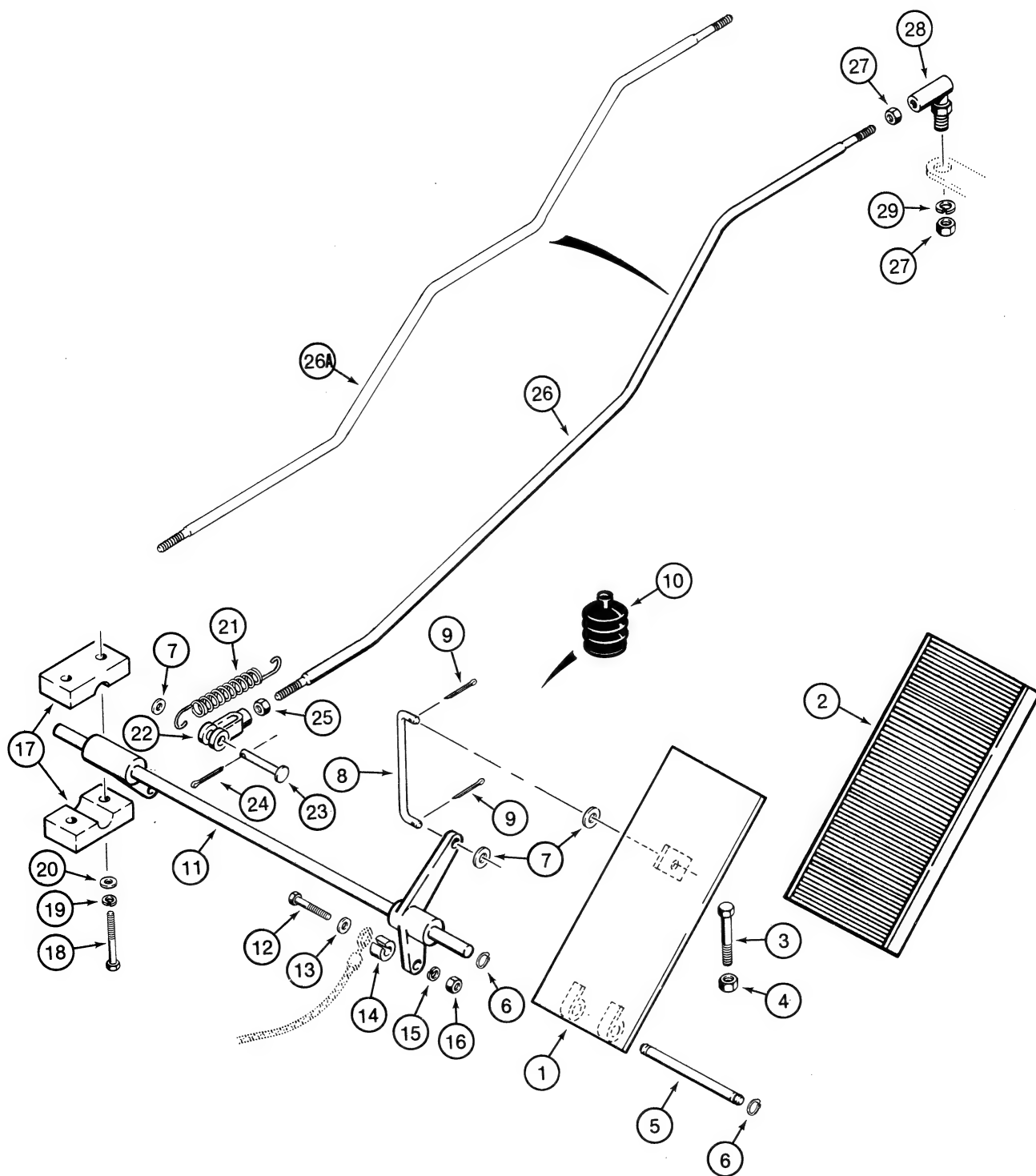
NOTE: See page 3-3 for fuel sender.



THROTTLE CONTROL LINKAGE

HAND CONTROL

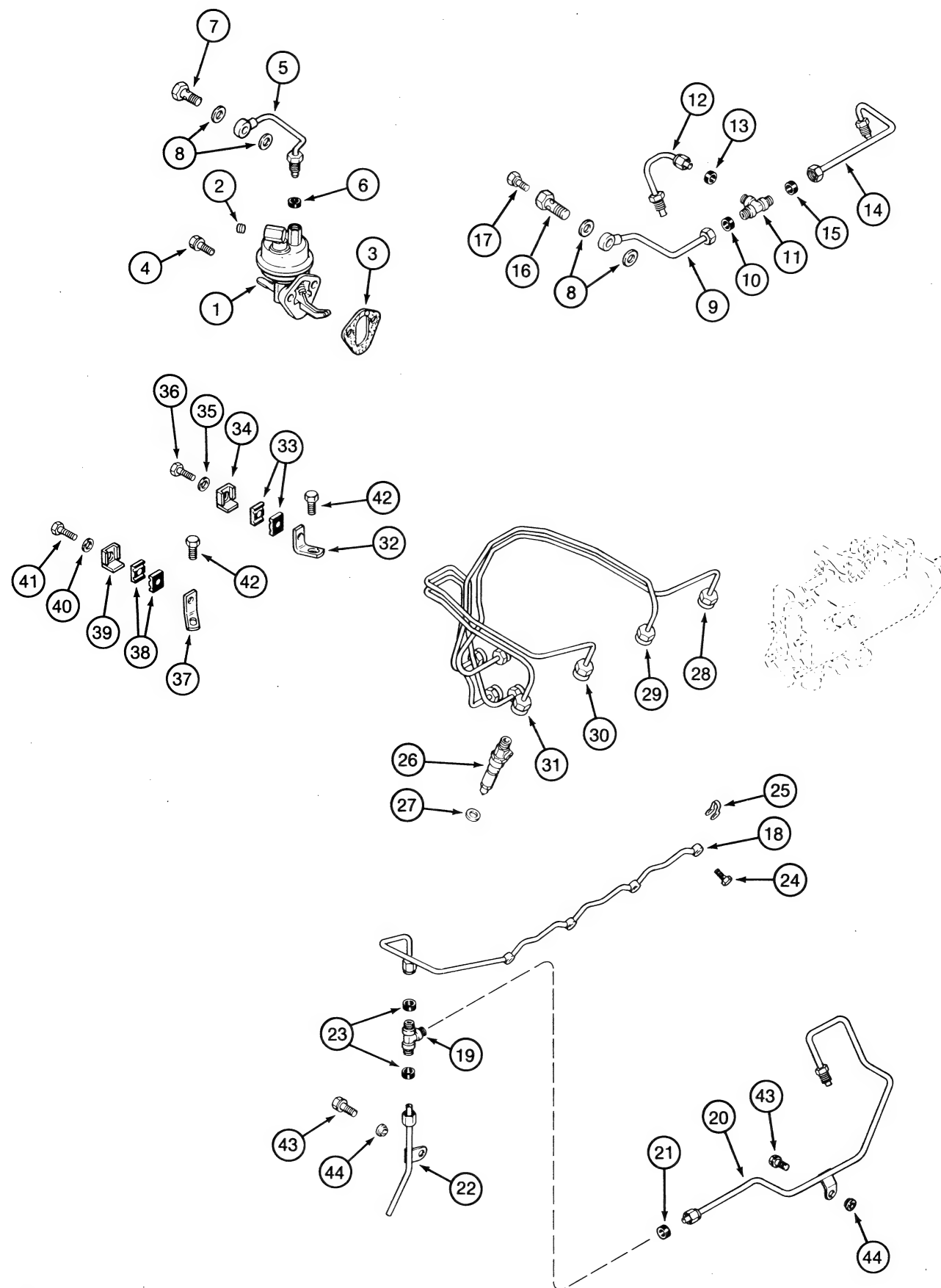
REF.	PART NO.	DESCRIPTION	REQD.
1	A177435	KNOB - lever	1
2	D135409	LEVER - hand throttle	1
3	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	1
4	96-81005	WASHER - flat, 1/2 x 2 x 9/64 inch	2
5	D148962	WASHER - spring, Bellville type	4
6	D149136	BRACKET - throttle lever	1
7	231-1448	NUT - light hex, self-locking, 1/2 inch NC	1
8	413-514	BOLT - hex, 5/16 NC x 7/8 inch	1
9	492-11031	WASHER - lock, 5/16 inch	1
10	224-2245	NUT - square, 5/16 inch NC, if used	1
11	D147161	BRACKET - throttle control, no longer available, order 102963A1 bracket, item 35	1
12	112865A1	BOLT - hex washer, self-tapping, 5/16 NC x 3/4 inch (replaces A141589)	5
13	D142395	SUPPORT - throttle brace, mounts at hole in right fender	1
14	413-612	BOLT - hex, 3/8 NC x 3/4 inch	1
15	413-616	BOLT - hex, 3/8 NC x 1 inch, if used	1
15A	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch, if used	1
16	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	3-4
17	492-11038	WASHER - lock, 3/8 inch	3
18	425-106	NUT - hex, 3/8 inch NC	2
19	413-520	BOLT - hex, 5/16 NC x 1-1/4 inch	1
20	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	1-2
21	D124865	SPACER - cable to throttle control lever	1
22	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	1
23	492-11031	WASHER - lock, 5/16 inch	1
24	425-105	NUT - hex, 5/16 inch NC	1
25	D150863	CABLE - control, hand throttle (replaces D149124 cable)	1
26	D148961	BLOCK - guide, throttle cable	1
27	413-428	BOLT - hex, 1/4 NC x 1-3/4 inch	2
28	231-5144	NUT - hex, flange, self-locking, 1/4 inch NC	2
29	D148966	GUIDE - throttle cable	1
30	D149032	RETAINER - cable to guide	1
31	281-4556	SCREW - self-tapping, hex washer head, No. 10 - 24 x 3/8 inch	2
32	276-24924	BOLT - hex, self-tapping, 3/8 NC x 1-1/2 inch	1
33	49854	CLAMP - cable, closed, 12.7 mm ID	2
34	D141589	BOLT - hex washer head, self-tapping, 5/16 NC x 3/4 inch	2
35	102963A1	BRACKET - throttle control	1



THROTTLE CONTROL LINKAGE

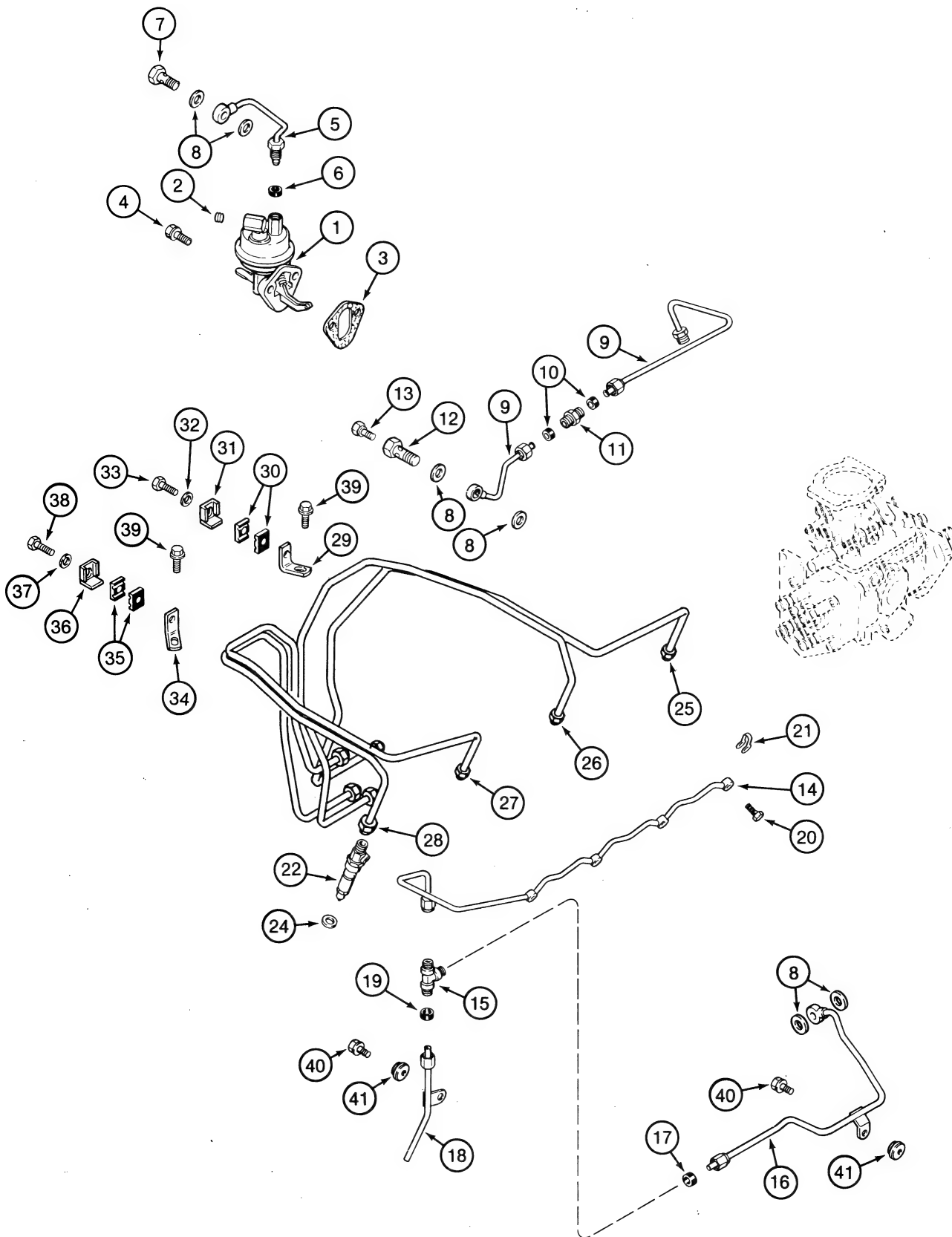
FOOT CONTROLS

REF.	PART NO.	DESCRIPTION	REQD.
1	D124863	PEDAL - accelerator.....	1
2	D137499	PAD - cover, accelerator pedal	1
3	D150505	BOLT - hex, special, pedal stop (replaces 413-648)	1
4	425-106	NUT - hex, 3/8 inch NC	1
5	D143413	PIN - pedal base.....	1
6	D143414	RING - snap	2
7	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	3
8	D143428	ROD - bent, accelerator pedal	1
9	432-612	PIN - cotter, 3/32 x 3/4 inch.....	2
10	D85869	BOOT - accelerator pedal rod, at floor plate	1
11	D150687	SHAFT - throttle (replaces D146126 shaft)	1
12	413-520	BOLT - hex, 5/16 NC x 1-1/4 inch	1
13	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	1
14	D124865	SPACER - cable	1
15	492-11031	WASHER - lock, 5/16 inch.....	1
16	425-105	NUT - hex, 5/16 inch NC	1
17	D124857	BLOCK - cross shaft.....	4
18	413-532	BOLT - hex, 5/16 NC x 2 inch	4
19	492-11031	WASHER - lock, 5/16 inch.....	4
20	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	4
21	D93823	SPRING - throttle return	1
22	213-125	CLEVIS - adjustable, 5/16 inch NF	1
23	427-5112	PIN - clevis, 5/16 x 1-1/8 inch	1
24	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
25	425-115	NUT - hex, 5/16 inch NF.....	1
26	D147425	ROD - throttle, to injection pump, used on models without turbocharged engines; and models with turbocharged changes prior to tractor P.I.N. JYG0173468.....	1
26A	D144108	ROD - throttle, to injection pump, used on models with turbocharged engines on tractor P.I.N. JYG0173468 and after	1
27	425-114	NUT - hex, 1/4 inch NF.....	2
28	A10329	JOINT - ball, at injection pump.....	1
29	492-11025	WASHER - lock, 1/4 inch.....	1



FUEL INJECTION SYSTEM**4-390 Engine****4T-390 Engine Prior to Tractor P.I.N. JJG0173468**

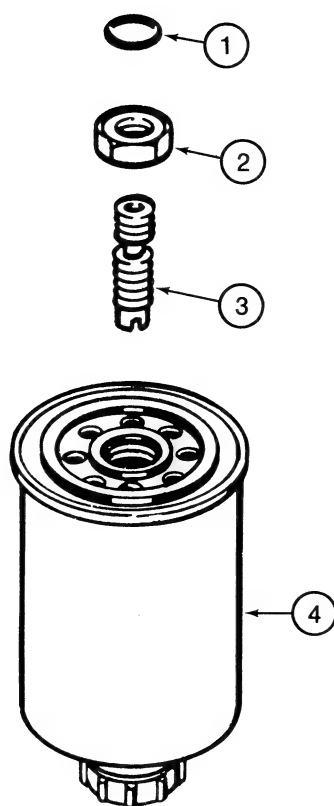
REF.	PART NO.	DESCRIPTION	REQD.
1	J904374	PUMP - lift, fuel	1
2	221-841	PLUG - square socket, 1/4 inch PT, fuel inlet	1
3	J914304	GASKET - fuel lift pump	1
4	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm	2
5	J905649	TUBE ASSEMBLY - fuel, lift pump to filter	1
6	222-101	SLEEVE - 3/16 inch tube OD	1
7	J903035	BOLT - banjo hex, 12 - 1.5 x 24 mm	1
8	J918191	WASHER - sealing, replaces J903037 washer	4
9	J905364	TUBE ASSEMBLY - fuel supply, filter to tee	1
10	222-103	SLEEVE - 5/16 inch tube OD	1
11	222-123	TEE - 5/16 inch tube OD (remove and discard nuts before assembly)	1
12	J905375	TUBE ASSEMBLY - fuel supply, tee to rear of injection pump	1
13	222-103	SLEEVE - 5/16 inch tube OD	1
14	J905363	TUBE ASSEMBLY - fuel supply, tee to front of injection pump	1
15	222-103	SLEEVE - 5/16 inch tube OD	1
	J905860	BOLT ASSEMBLY - banjo hex, special	1
16	NSS	BOLT - connector, banjo hex, special	1
17	NSS	SCREW - hex, special, vent	1
18	J909695	MANIFOLD - fuel return	1
19	222-121	TEE - 3/16 inch tube OD (remove and discard nuts before assembly)	1
20	J905703	TUBE ASSEMBLY - fuel return, tee to pump	1
21	222-103	SLEEVE - 5/16 inch tube OD	1
22	J905692	TUBE ASSEMBLY - fuel return, tee to fuel tank	1
23	222-101	SLEEVE - 3/16 inch tube OD	2
24	J905307	BOLT - banjo drain, special	4
25	J903380	SEAL - connector	4
26	REF	INJECTOR ASSEMBLY - fuel, see page 3-17 and 3-19	4
27	J906659	SEAL - injector	1
28	J903522	TUBE ASSEMBLY - fuel injector, No. 1 cylinder	1
29	J903523	TUBE ASSEMBLY - fuel injector, No. 2 cylinder	1
30	J903524	TUBE ASSEMBLY - fuel injector, No. 3 cylinder	1
31	J903525	TUBE ASSEMBLY - fuel injector, No. 4 cylinder	1
	A77484	BRACKET ASSEMBLY - injection supply tube No. 1 and 2, no longer available, order components separately	1
32	J919294	BRACKET - fuel tube No. 1 and 2	1
33	J917746	CLAMP - fuel tube	2
34	J904711	BRACE - clamp, fuel tube	1
35	J903723	WASHER - flat, special	1
36	J917712	BOLT - hex, special	1
	A77485	BRACKET ASSEMBLY - injection supply tube No. 3 and 4, no longer available, order components separately	1
37	J919292	BRACKET - fuel tube	1
38	J917746	CLAMP - fuel tube	2
39	J904711	BRACE - clamp, fuel tube	1
40	J903723	WASHER - flat, special	1
41	J917712	BOLT - hex, special	1
42	J918109	BOLT - hex special	2
43	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm	2
44	J900267	SEAL - cover bolt	2



FUEL INJECTION SYSTEM**4T-390 Engine****Tractor P.I.N. JJG0173468 and After**

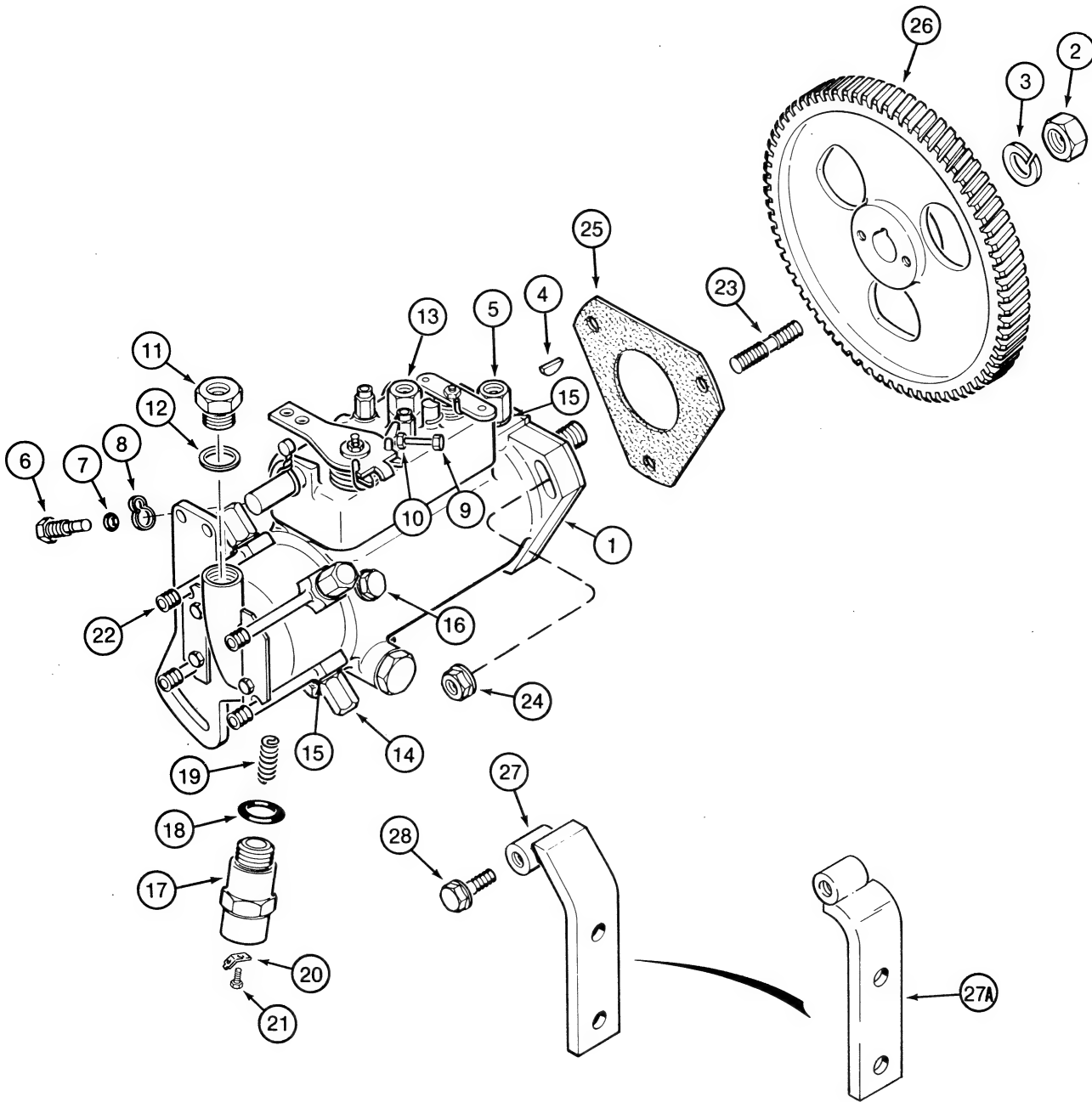
REF.	PART NO.	DESCRIPTION	REQD.
1	J904374	PUMP - lift, fuel	1
2	221-841	PLUG - square socket, 1/4 inch PT, fuel inlet	1
3	J914304	GASKET - fuel lift pump	1
4	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm	2
5	J905649	TUBE ASSEMBLY - fuel, lift pump to filter	1
6	222-101	SLEEVE - 3/16 inch tube OD	1
7	J903035	BOLT - banjo hex, 12 - 1.5 x 24 mm	1
8	J918191	WASHER - sealing	6
9	J918640	TUBE ASSEMBLY - fuel supply, two-piece	1
10	222-103	SLEEVE - 5/16 inch tube OD	2
11	222-4	CONNECTOR - compression, 5/16 inch tube OD	1
	J905860	BOLT ASSEMBLY - banjo hex, special	1
12	NSS	BOLT - connector, banjo hex, special	1
13	NSS	SCREW - hex, special, vent	1
14	J909695	TUBE - manifold, tee to fuel tank return	1
15	222-121	TEE - 3/16 inch tube OD (remove and discard hex nuts before assembly)	1
16	*J905699	TUBE ASSEMBLY - fuel return, tee to fuel injector pump	1
17	222-103	SLEEVE - 5/16 inch tube OD	1
18	*J905692	TUBE ASSEMBLY - fuel return, tee to fuel tank	1
19	222-101	SLEEVE - for 3/16 inch tube	1
20	J905307	BOLT - banjo drain, special	4
21	J903380	SEAL - connector	4
22	REF	INJECTOR ASSEMBLY - fuel, see page 3-17B	4
24	J906659	SEAL - injector	4
25	J903480	TUBE ASSEMBLY - fuel injector, No. 1 cylinder	1
26	J903481	TUBE ASSEMBLY - fuel injector, No. 2 cylinder	1
27	J903482	TUBE ASSEMBLY - fuel injector, No. 3 cylinder	1
28	J903483	TUBE ASSEMBLY - fuel injector, No. 4 cylinder	1
29	J919294	BRACKET - fuel tubes No. 1 and 2	1
30	J917746	CLAMP - fuel tube	2
31	J904711	BRACE - clamp, fuel tube	1
32	J903723	WASHER - lock, 5 mm	1
33	J917712	BOLT - hex, special	1
34	J919292	BRACKET - fuel tube No. 3 and 4	1
35	J917746	CLAMP - fuel tube	2
36	J904711	BRACE - clamp, fuel tube	1
37	J903723	WASHER - lock, 5 mm	1
38	J917712	BOLT - hex, special	1
39	J918109	BOLT - hex flange, special	2
40	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm	2
41	J900267	SEAL - cover bolt	2

*NOTE: Fuel tubes, items 16 and 18, bolt to tappet cover, see page 2-47, item 22.



FUEL FILTER**4-390 Engine****4T-390 Engine**

REF.	PART NO.	DESCRIPTION	REQD.
1	J906695	O-RING - sealing, 14 mm ID	1
2	J903293	NUT - hex, 16 mm - 2.0.....	1
3	J903845	ADAPTER - fuel	1
4	J843760	FILTER - fuel, replaces J903202 filter.....	1

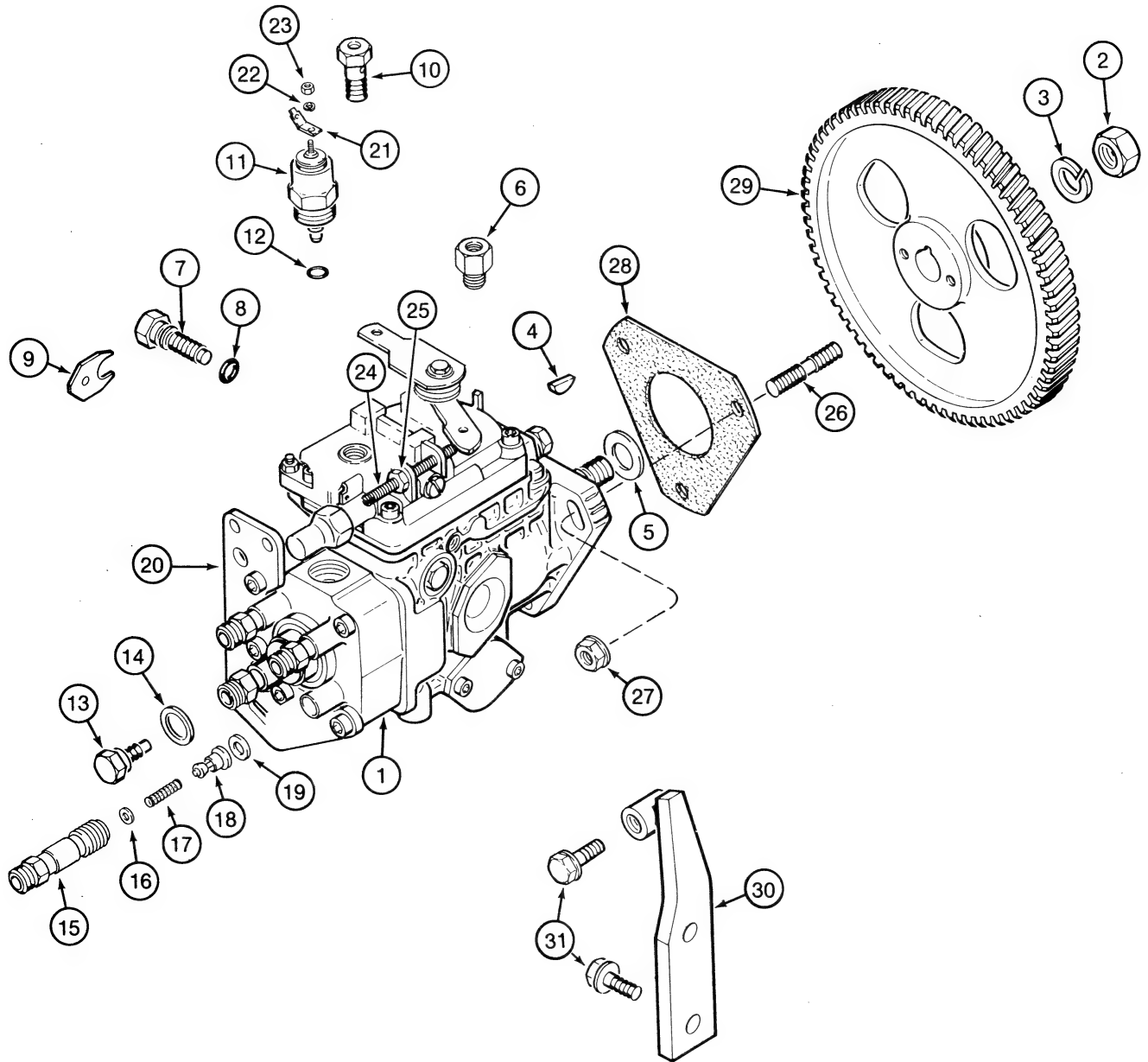


FUEL INJECTION PUMP AND DRIVE

4-390 Engine

4T-390 Engine Prior to Tractor P.I.N. JYG0173468

REF.	PART NO.	DESCRIPTION	REQD.
	JR916523	PUMP ASSEMBLY - fuel injection, remanufactured, 4-390 engine, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC916523	RETURN NUMBER - use this part number to return pump core for credit when using a remanufactured assembly	1
	JR917063	PUMP ASSEMBLY - fuel injection, remanufactured, 4T-390 engine North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC915883	RETURN NUMBER - use this part number to return pump core for credit when using a remanufactured assembly	1
1	J916523	PUMP ASSEMBLY - fuel injection, new, 4-390 engine	1
1	J917063	PUMP ASSEMBLY - fuel injection, new, 4T-390 engine	1
2	J903738	NUT - hex	1
3	492-11056	WASHER - lock, 9/16 inch	1
4	836-4065	KEY - retainer, pump gear	1
5	J904643	FITTING - return	1
6	J904778	BOLT - hex, locking device	1
7	J904780	SEAL - locking bolt	1
8	J904779	WASHER - locking	1
9	J904637	SCREW - adjusting, low idle	1
10	131-1144	NUT - hex, self-locking, No. 10 inch NF	1
11	J904641	FITTING - inlet	1
12	K962748	WASHER - inlet fitting, copper	1
13	J904640	ORIFICE - bleed	1
14	J904646	BOLT - banjo	4
15	J904644	WASHER - sealing	9
16	K963867	SCREW - bleed, pump head	1
17	J904630	SOLENOID - shut down, 12 volt	1
18	J904635	O-RING - solenoid	1
19	J904777	SPRING - solenoid	1
20	A187990	TERMINAL - adapter	1
21	A77413	SCREW - terminal	1
22	K962755	FITTING - banjo	4
23	J902501	STUD - pump mounting	3
24	J900589	NUT - hex flange	3
25	J914389	GASKET - pump mounting	1
26	J920594	GEAR - pump drive, replaces J912885 gear	1
27	J905387	BRACE - fuel pump, 4-390 engine only	1
27A	J916024	BRACE - fuel pump, 4T-390 engine only	1
28	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm	3

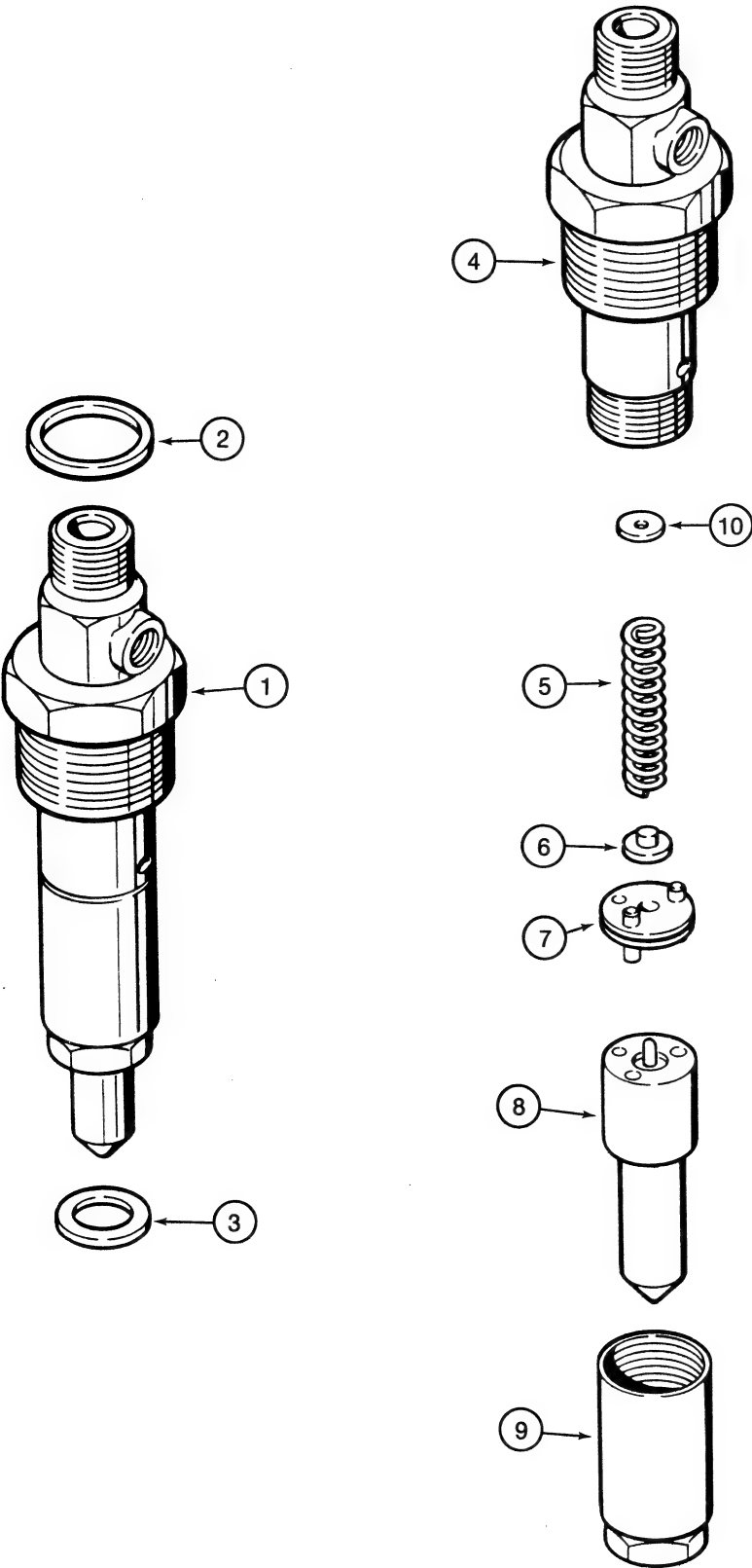


FUEL INJECTION PUMP AND DRIVE

4T-390 Engine

Tractor P.I.N. JJG0173468 and After

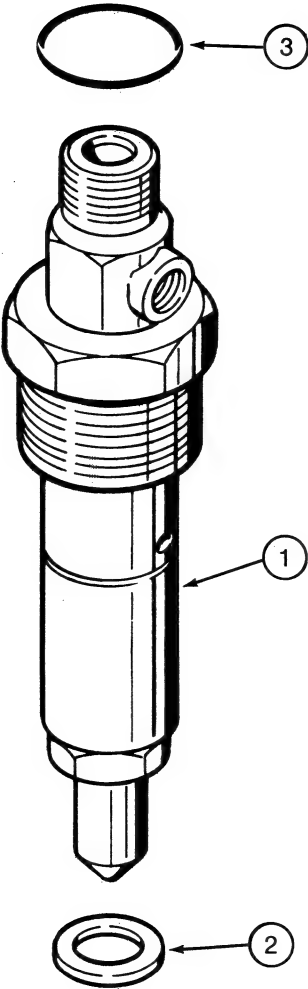
REF.	PART NO.	DESCRIPTION	REQD.
	JR919846	PUMP ASSEMBLY - fuel injection, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly.....	1
	JC917500	RETURN NUMBER - use this part number to return pump core for credit when using a remanufactured assembly.....	1
1	J919846	PUMP ASSEMBLY - fuel injection.....	1
2	J903738	NUT - hex, 14 mm.....	1
3	92-11056	WASHER - lock, 9/16 inch.....	1
4	126-112	KEY - retainer, pump gear (replaces J902332).....	1
5	J920393	SEAL - shaft.....	1
6	J903382	ADAPTER - tube.....	1
7	J904784	SCREW - timing lock.....	1
8	J904785	O-RING - timing lock screw.....	1
9	J904786	PLATE - timing lock.....	1
10	J905465	SCREW - overflow, banjo.....	1
11	A77753	SOLENOID ASSEMBLY - shut down, 12 volt, component parts not serviced separately.....	1
12	J903577	SEAL - solenoid.....	1
13	J903572	SCREW - vent.....	1
14	3053133R1	RING - vent screw.....	1
15	J910794	FITTING - bypass delivery valve.....	4
16	3059066R1	WASHER - delivery valve.....	4
17	J910796	SPRING - delivery valve.....	4
18	J910795	VALVE - bypass delivery.....	4
19	J903570	GASKET - delivery valve.....	4
20	J905696	BRACKET - pump support.....	1
21	A187990	TERMINAL - adapter.....	1
22	J907481	WASHER - lock.....	1
23	J907480	NUT - terminal.....	1
24	J904782	SCREW - low idle stop.....	1
25	J904783	NUT - idle screw.....	1
26	J902501	STUD - pump mounting, 8 - 1.25 x 48 mm.....	3
27	J900589	NUT - hex flange, 8 mm.....	3
28	J914389	GASKET - pump mounting.....	1
29	J920594	GEAR - pump drive.....	1
30	J905313	BRACE - fuel pump, if used.....	1
31	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm, if used.....	3



FUEL INJECTION NOZZLE**4T-390 Engine****Prior to Tractor P.I.N. JYG0173468**

REF.	PART NO.	DESCRIPTION	REQD.
1	J919331	NOZZLE ASSEMBLY - fuel injection (CAV)	4
1	J919300	NOZZLE ASSEMBLY - fuel injection (Bosch)	4
2	J909356	O-RING - injector body	1
3	*J906659	SEAL - injector tip, replaces J920174 seal.....	1
4	NSS	BODY - injector.....	1
5	NSS	SPRING - nozzle pressure (CAV injectors)	1
5	J905152	SPRING - nozzle pressure (Bosch injectors).....	1
6	NSS	SEAT - nozzle pressure spring (CAV injectors)	1
6	J905153	SEAT - nozzle pressure spring (Bosch injectors).....	1
7	NSS	STOP - nozzle valve (CAV injectors).....	1
7	J905154	STOP - nozzle valve (Bosch injectors).....	1
8	NSS	TIP - nozzle injector.....	1
9	NSS	NUT - cap, nozzle tip (CAV injectors)	1
9	A48201	NUT - cap, nozzle tip (Bosch injectors).....	1
	A48186	KIT - shim, nozzle opening pressure (used with Bosch injectors only), use one shim of the thickness required	1
10	1806233C1	SHIM - nozzle, 1.00 mm	5
10	1806234C1	SHIM - nozzle, 1.04 mm	5
10	1806235C1	SHIM - nozzle, 1.08 mm	5
10	1806236C1	SHIM - nozzle, 1.10 mm	5
10	1806237C1	SHIM - nozzle, 1.14 mm	5
10	1806238C1	SHIM - nozzle, 1.18 mm	5
10	1806239C1	SHIM - nozzle, 1.20 mm	5
10	1806240C1	SHIM - nozzle, 1.24 mm	5
10	1806241C1	SHIM - nozzle, 1.28 mm	5
10	1806242C1	SHIM - nozzle, 1.30 mm	5
10	1806243C1	SHIM - nozzle, 1.34 mm	5
10	1806244C1	SHIM - nozzle, 1.38 mm	5
10	1806245C1	SHIM - nozzle, 1.40 mm	5
10	1806246C1	SHIM - nozzle, 1.44 mm	5
10	1806247C1	SHIM - nozzle, 1.48 mm	5
10	1806248C1	SHIM - nozzle, 1.50 mm	5
10	1806249C1	SHIM - nozzle, 1.54 mm	5
10	1806250C1	SHIM - nozzle, 1.58 mm	5
10	1806251C1	SHIM - nozzle, 1.60 mm	5
10	1806252C1	SHIM - nozzle, 1.64 mm	5
10	1806253C1	SHIM - nozzle, 1.68 mm	5
10	1806254C1	SHIM - nozzle, 1.70 mm	5
10	1806255C1	SHIM - nozzle, 1.74 mm	5
10	1806256C1	SHIM - nozzle, 1.78 mm	5
10	1806257C1	SHIM - nozzle, 1.80 mm	5
10	1806258C1	SHIM - nozzle, 1.84 mm	5
10	1806259C1	SHIM - nozzle, 1.88 mm	5
10	1806260C1	SHIM - nozzle, 1.90 mm	5
10	1806261C1	SHIM - nozzle, 1.94 mm	5
10	1806262C1	SHIM - nozzle, 1.98 mm	5

***NOTE:** Whenever a nozzle is removed from the cylinder head, J906659 seal must be replaced.



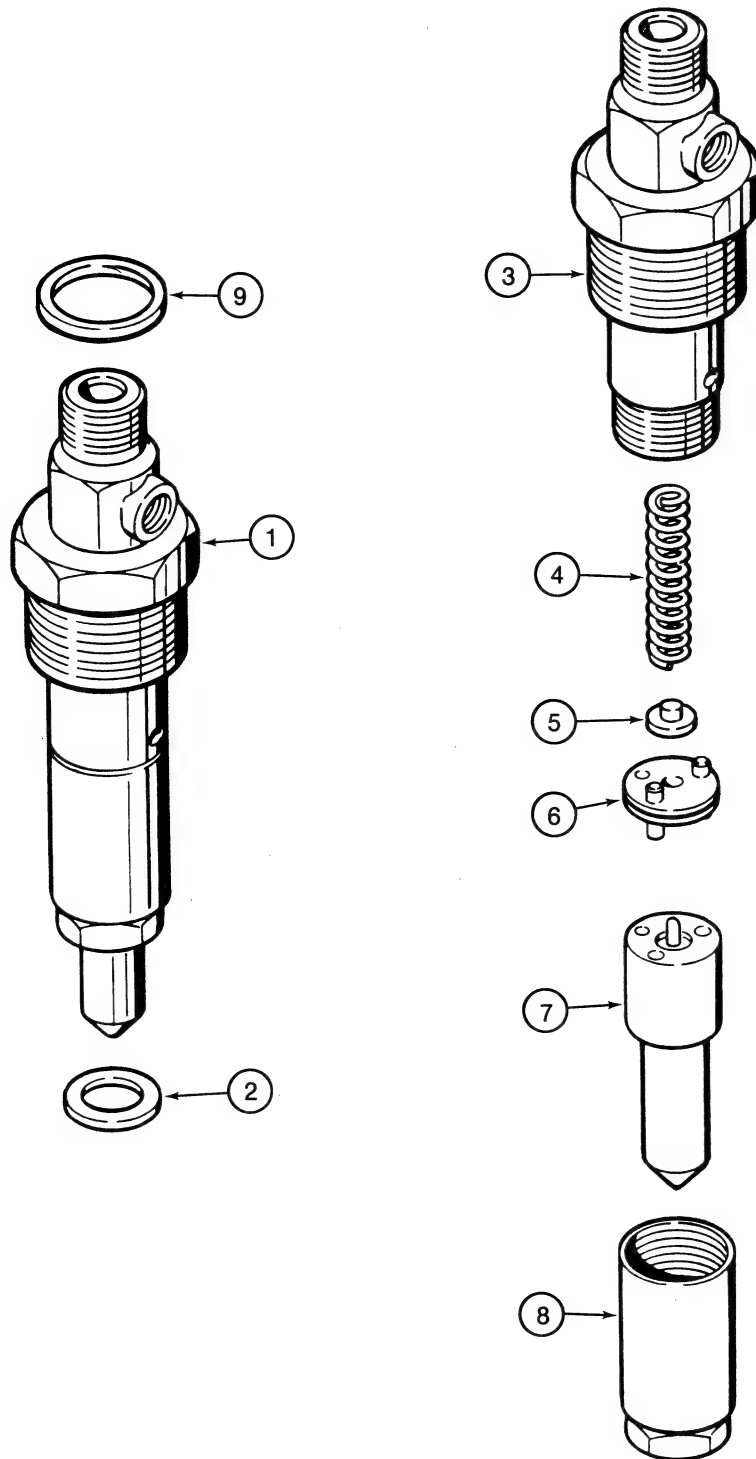
FUEL INJECTION NOZZLE

4T-390 Engine

Tractor P.I.N. JJG0173468 and After

REF.	PART NO.	DESCRIPTION	REQD.
1	J919322	NOZZLE ASSEMBLY - fuel injection, components not serviced separately	4
2	*J906659	SEAL - injector tip.....	1
3	J909356	O-RING - sealing, body to nut.....	4

***NOTE:** Whenever a nozzle is removed from the cylinder head, J906659 seal must be replaced before nozzle is installed in cylinder head.



FUEL INJECTION NOZZLE**4-390 Engine**

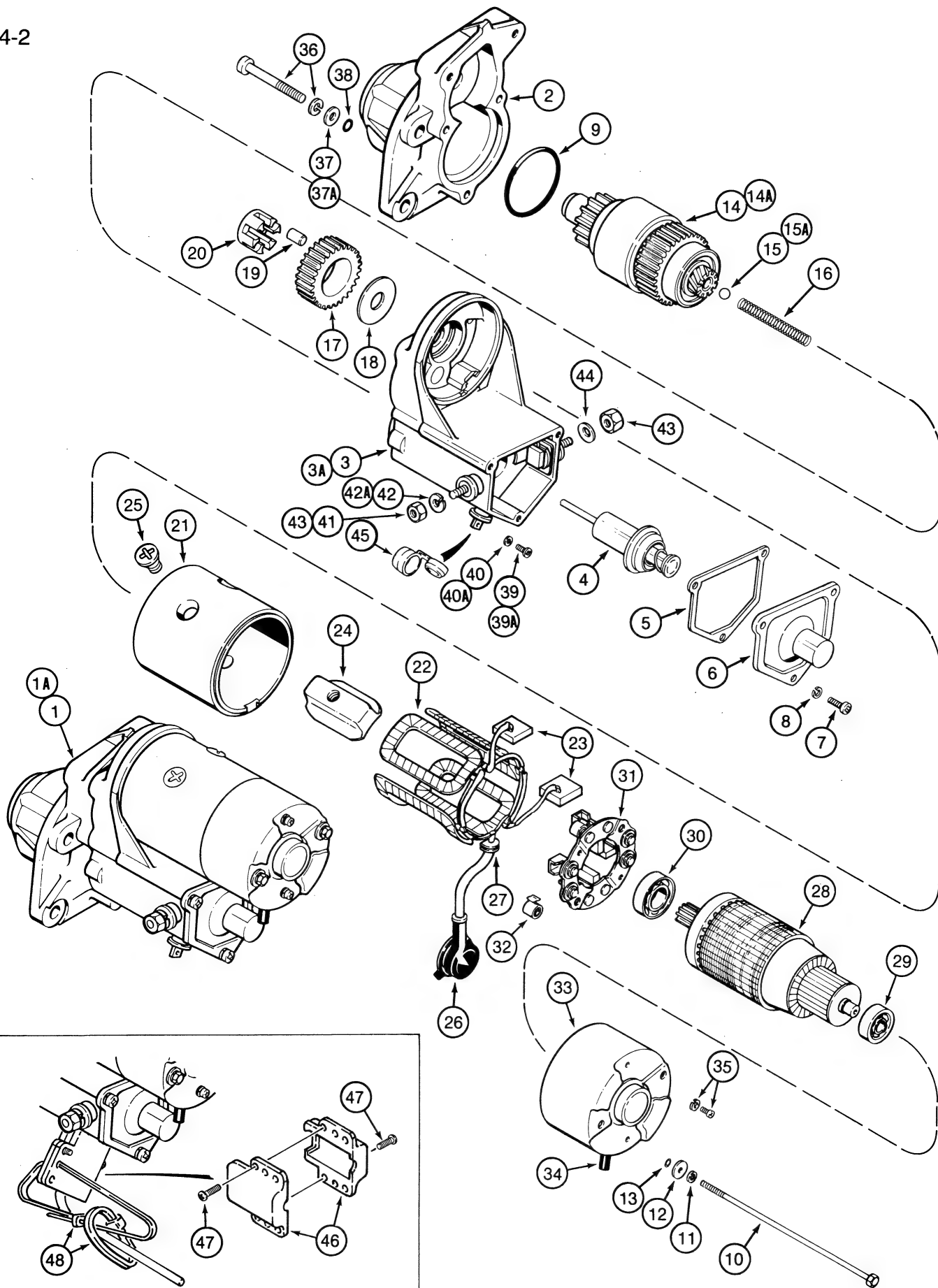
REF.	PART NO.	DESCRIPTION	REQD.
1	J919336	NOZZLE ASSEMBLY - fuel injection (CAV)	4
2	*J906659	SEAL - injector tip, replaces J920174 seal.....	1
3	NSS	BODY - injector.....	1
4	NSS	SPRING - nozzle pressure	1
5	NSS	SEAT - nozzle pressure spring	1
6	NSS	STOP - nozzle valve	1
7	NSS	TIP - nozzle injector.....	1
8	NSS	NUT - cap, nozzle tip	1
9	J909356	O-RING - injector body	4

***NOTE:** Whenever a nozzle is removed from the cylinder head, J906659 seal must be replaced.

ALPHABETICAL INDEX

ELECTRICAL

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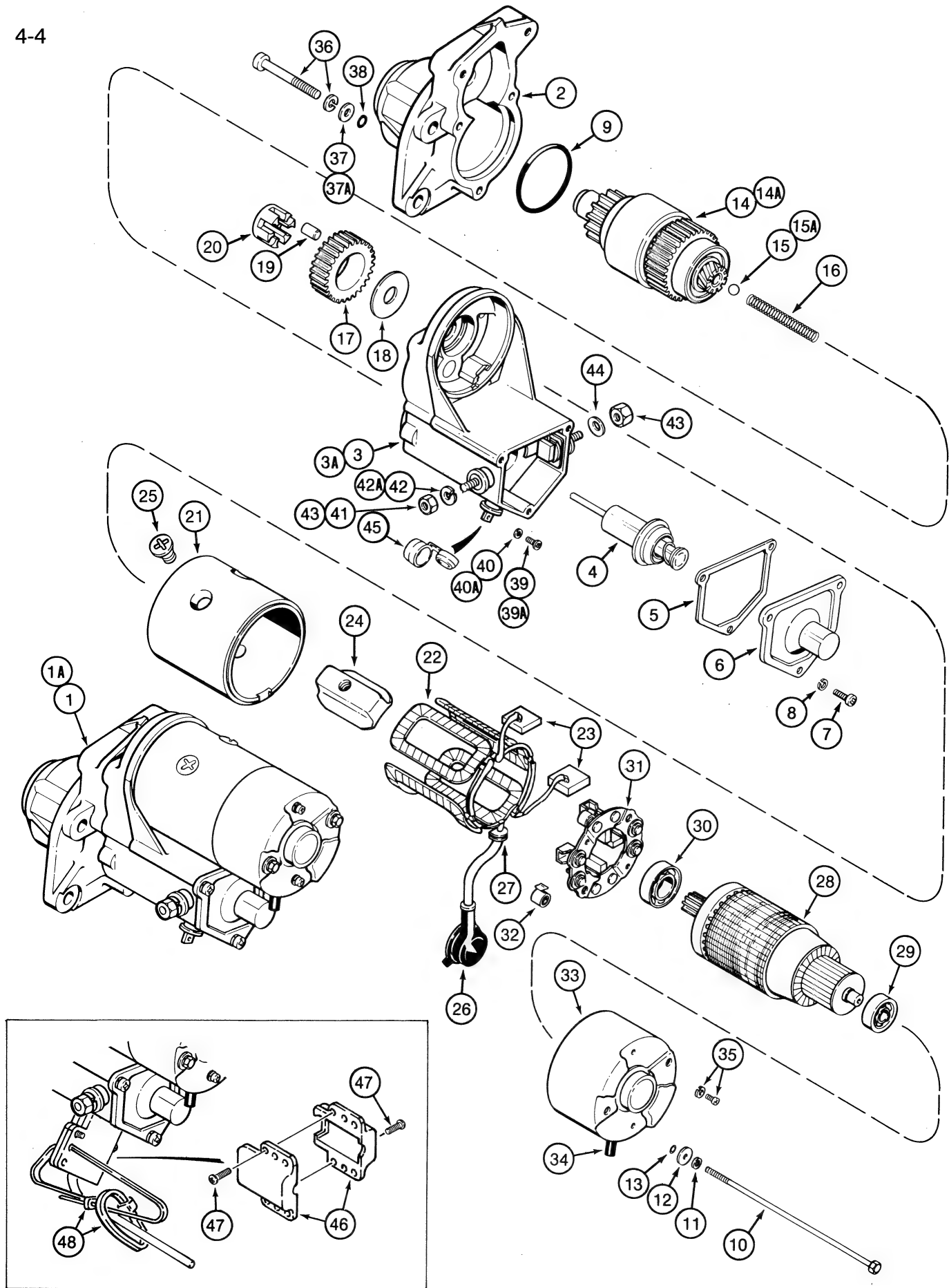


***STARTER**

REF.	PART NO.	DESCRIPTION	REQD.
1	AR170746	STARTER ASSEMBLY - engine, remanufactured (North America only), no longer available, order 1987559C1 starter.....	1
1	AC170746	RETURN NUMBER - use this number when returning starter for credit.....	1
1	A170746	STARTER ASSEMBLY - new (Nippondenso No. 128000-0210), no longer available, order 1987559C1 starter assembly.....	1
1A	1987559C1	STARTER ASSEMBLY - new (Nippondenso No. 128000-0211).....	1
2	A46948	HOUSING - drive end	1
3	A46949	SWITCH ASSEMBLY - magnetic, includes items 4-8, A170746 starter.....	1
3A	104588A1	SWITCH ASSEMBLY - magnetic, includes items 4-8, 1987559C1 starter.....	1
4	NSS	SOLENOID - switch	1
5	NSS	GASKET - solenoid cover.....	1
6	NSS	COVER - solenoid.....	1
7	NSS	SCREW - cover to switch	3
8	NSS	WASHER - cover screw.....	3
9	1546500C1	O-RING - switch to housing (replaces A47229)	1
	A47243	BOLT ASSEMBLY - through.....	2
10	A47128	BOLT - through.....	1
11	892-11006	WASHER - lock, 1/4 inch.....	1
12	195-516	WASHER - flat, 1/4 x 9/16 x 1/16 inch	1
13	A47127	O-RING - bolt seal.....	1
14	A47231	CLUTCH - drive, A170746 starter	1
14A	104587A1	CLUTCH - drive, 1987559C1 starter	1
15	211-209	BALL - 11/32 inch, grade 25, chrome alloy steel, A170746 starter.....	1
15A	211-10	BALL - 11/32 inch, grade 200, chrome alloy steel, 1987559C1 starter.....	1
16	A47232	SPRING - clutch drive, 2-13/16 inch free length	1
17	A47233	PINION - idler	1
18	A47234	WASHER - thrust, idler pinion.....	1
19	A47235	ROLLER - idler pinion bearing	5
20	A47236	RETAINER - roller bearings.....	1
	A47240	HOUSING ASSEMBLY - with coil and brushes	1
21	NSS	HOUSING - starter.....	1
22	NSS	COIL - field.....	1
23	NSS	BRUSHES - starter.....	2
24	NSS	SHOE - pole.....	4
25	NSS	SCREW - pole shoes.....	4
26	NSS	BOOT - magnetic switch terminal	1
27	A47241	PLATE - lock.....	1

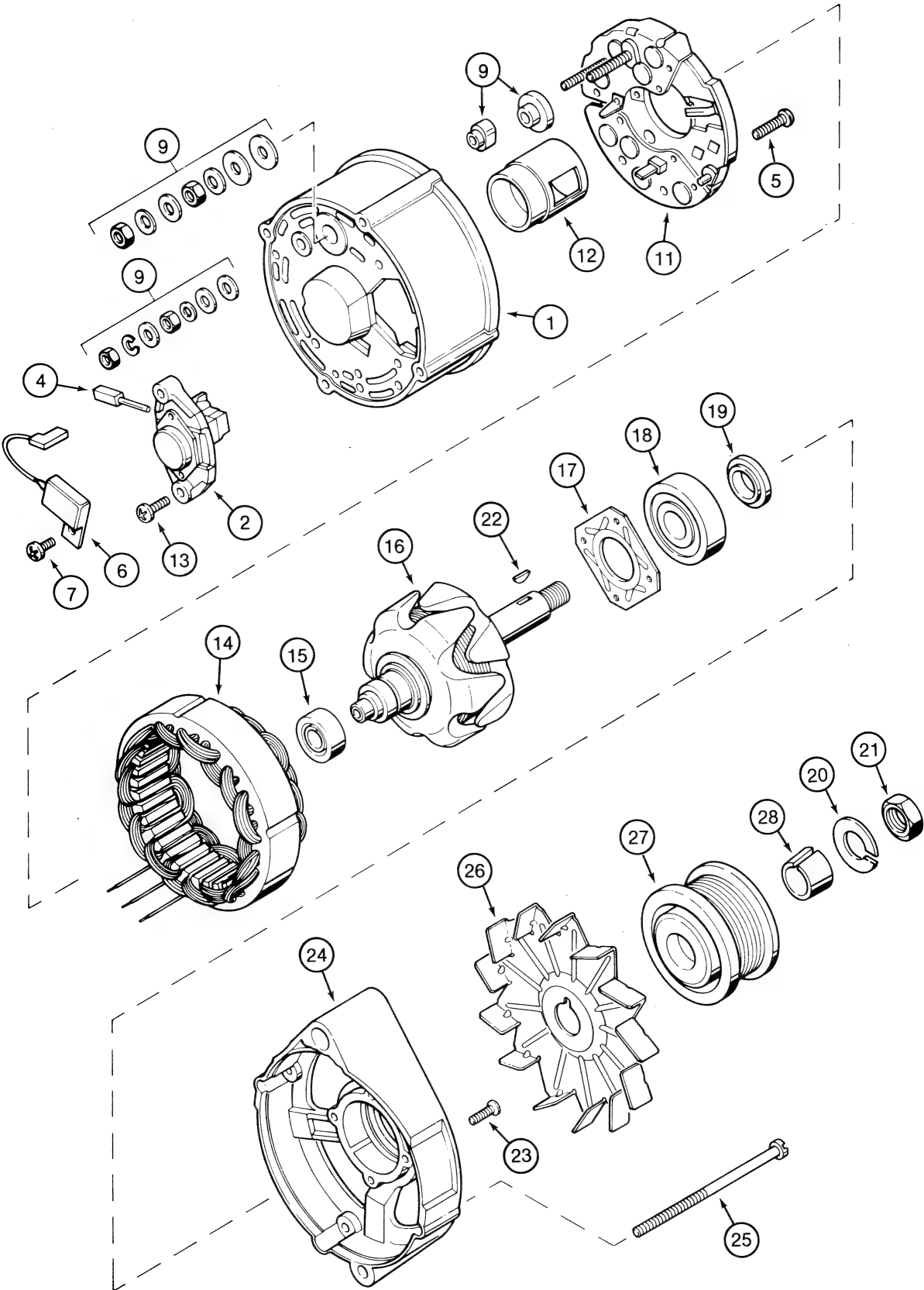
***NOTE:** See page 4-5 for anti by-pass starting kit.

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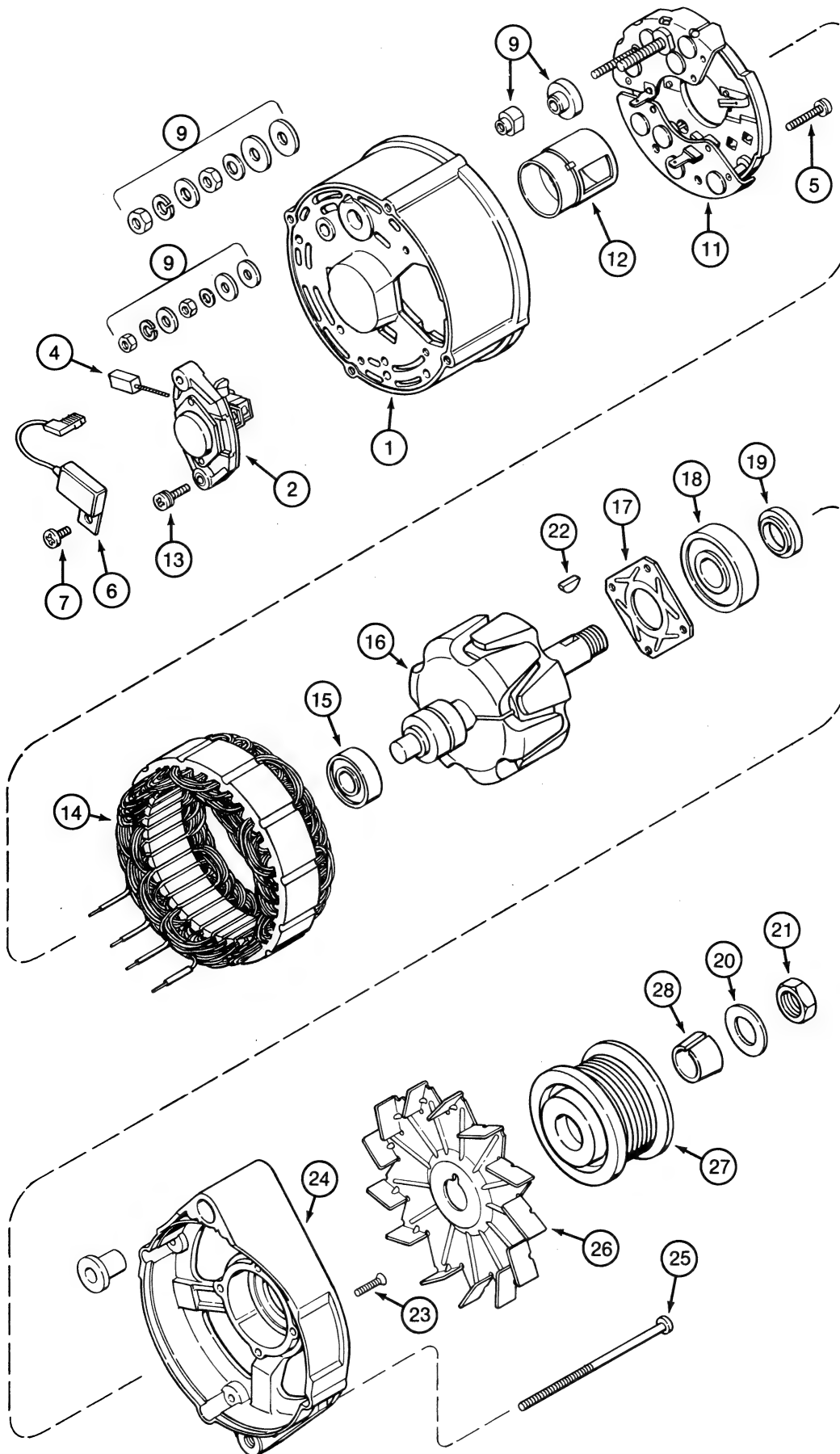
***STARTER**

REF.	PART NO. REF	DESCRIPTION	REQD.
		STARTER ASSEMBLY - engine (Continued from Page 4-3).....	1
28	A47242	ARMATURE ASSEMBLY.....	1
29	452698C1	BEARING - commutator end (replaces A47248)	1
30	A47247	BEARING - drive end.....	1
31	A47239	HOLDER ASSEMBLY - brush (Includes 2 brushes)	1
32	A47249	SPRING - brush tension	4
33	A47237	FRAME - commutator end	1
34	A47238	COVER - end frame	1
35	A47244	SCREW - with lock washer, brush holder to cover	2
	A47230	BOLT ASSEMBLY - commutator end cover to drive end housing.....	3
36	A47129	BOLT - with lockwasher.....	1
37	195-516	WASHER - flat, 1/4 x 9/16 x 1/16 inch, if used.....	1
37A	195-2015	WASHER - flat, 9/32 x 1/2 x 1/32 inch, if used.....	1
38	A47130	O-RING - bolt seal.....	1
39	440-1086	SCREW - machine, pan Phillips head, No. 8-32 x 3/8 inch, A170746 starter	1
39A	A46950	SCREW - machine, pan Phillips head, 5 x 8 mm, 1987559C1 starter.....	1
40	493-21017	WASHER - No. 8 internal lock, A170746 starter.....	1
40A	892-11005	WASHER - lock, 5 mm, 1987559C1 starter.....	1
41	425-146	NUT - hex, jam, 3/8 inch NC, A170746 starter, battery terminal.....	1
42	492-11038	WASHER - lock, 3/8 inch, A170746 starter	1
42A	892-11010	WASHER - lock, 10 mm, 1987559C1 starter.....	1
43	825-1410	NUT - hex, 10 mm - 1.5, field coil terminal, 1 used on A170746 starter; 2 used on 1987559C1 starter	1-2
44	A10454	WASHER - spring, field coil terminal	1
45	104589A1	BUSHING - insulator, 1987559C1 starter	1
	*B92730	KIT - anti by-pass start, for use on any starter that is not equipped with an anti by-pass cover, also includes 321-6872 and 321-7040 decals shown on page 9-169 (items 19 and 19A) and an application chart and installation instructions, if used.....	1
46	NSS	COVER - solenoid, starter switch terminal.....	2
47	260-5448	SCREW - self-tapping, pan Phillips, No. 8-18 x 1/2 inch.....	2
48	L18337	STRAP - tie, nylon, 15 inch (381 mm) long.....	2



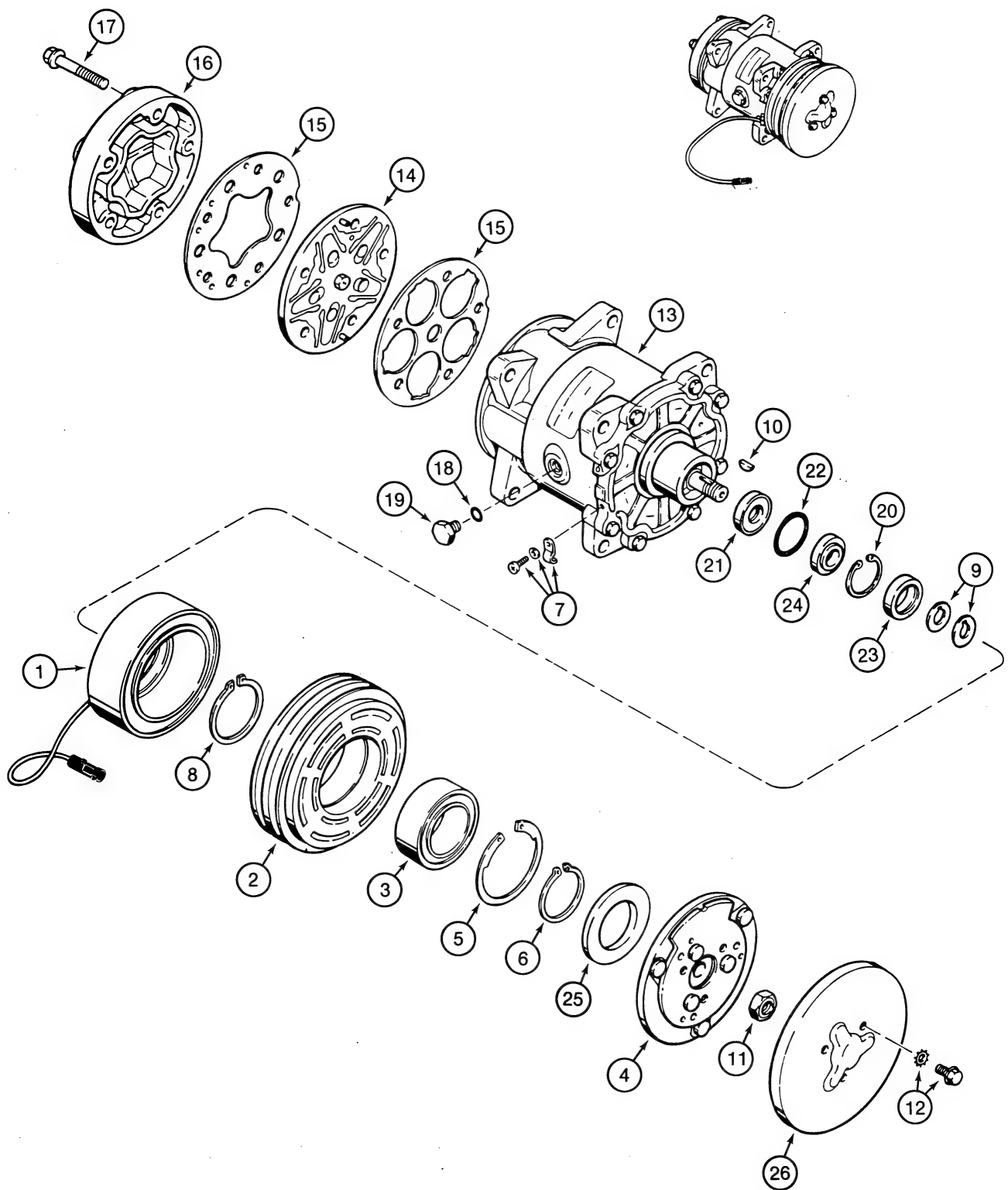
ALTERNATOR

REF.	PART NO.	DESCRIPTION	REQD.
	A187873	ALTERNATOR ASSEMBLY - electrical, 65 ampere	1
1	A187903	HOUSING - collector ring end	1
2	A187906	REGULATOR - voltage	1
4	1964968C1	BRUSH ASSEMBLY - alternator	1
5	1530431C1	BOLT - with washer, rectifier bridge retaining (replaces A187898)	2
6	3079134R1	CAPACITOR - alternator	1
7	1964969C1	SCREW - Fillister, capacitor retaining	1
9	A187904	SET - hardware, terminal	1
11	A187917	BRIDGE - rectifier, alternator	1
12	A187899	SHIELD - alternator	1
13	A187504	BOLT - with washer, voltage regulator retaining (replaces A187907)	2
14	1964966C1	STATOR - alternator	1
15	A186186	BEARING - ball, rotor, collector ring end (replaces A187908)	1
16	1964964C1	ROTOR - alternator	1
17	A187901	PLATE - bearing retaining	1
18	A186183	BEARING - ball, rotor, drive end	1
	3078897R1	KIT - retaining, rotor	1
19	NSS	RING - spacer	1
20	NSS	WASHER - rotor shaft	1
21	NSS	NUT - rotor shaft	1
22	NSS	KEY - pulley retainer, not used in A187873 alternator	1
23	NSS	SCREW - bearing retaining plate	4
24	A186182	COVER - drive end	1
25	A186193	BOLT - special, cover retaining	4
26	221425R1	FAN - alternator, not included with alternator assembly, order separately	1
27	J908560	PULLEY - drive, not included with alternator assembly, order separately	1
28	J908563	RETAINER - pulley, not included with alternator assembly, order separately	1



ALTERNATOR

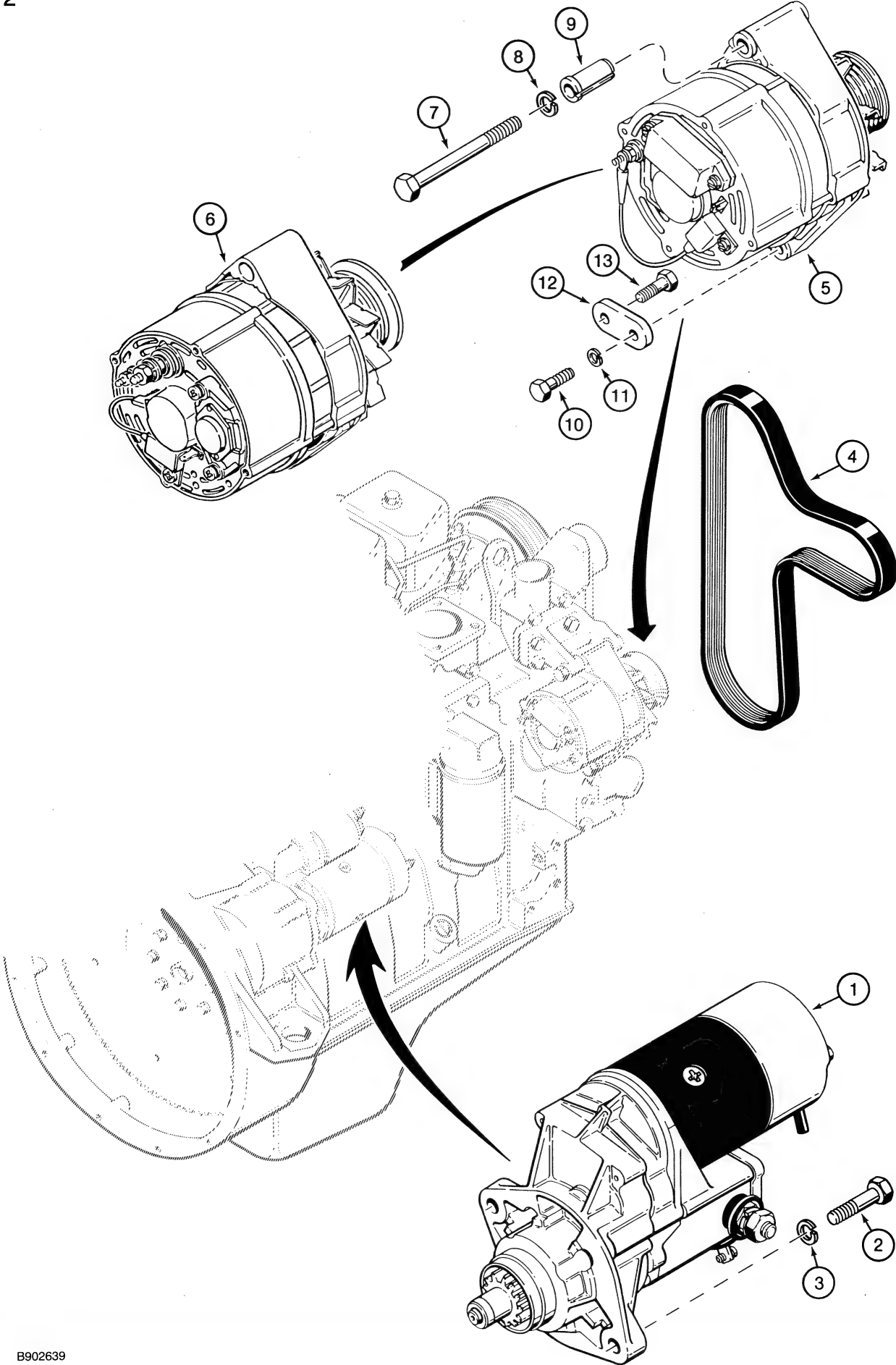
REF.	PART NO.	DESCRIPTION	REQD.
	A187623	ALTERNATOR ASSEMBLY - engine, 95 ampere	1
1	A187903	HOUSING - collector ring end	1
2	A187906	REGULATOR - voltage	1
4	1964968C1	BRUSH ASSEMBLY - alternator	1
5	1530431C1	BOLT - retaining, with washer (replaces A187898)	2
6	3079134R1	CAPACITOR - alternator	1
7	1964969C1	SCREW - capacitor retaining	1
9	A187904	SET - hardware, terminal	1
11	A187905	BRIDGE - rectifier, alternator	1
12	A187899	SHIELD - alternator	1
13	A187504	BOLT - retaining, with washer (replaces A187907)	2
14	A187902	STATOR ASSEMBLY - alternator	1
15	A186186	BEARING - ball, rotor, collector ring end (replaces A187908)	1
16	A187900	ROTOR ASSEMBLY - alternator	1
17	A187901	PLATE - bearing retaining	1
18	A186183	BEARING - ball, rotor, drive end	1
	3078897R1	KIT - rotor retaining	1
19	NSS	RING - spacer	1
20	NSS	WASHER - lock, rotor shaft	1
21	NSS	NUT - rotor shaft	1
22	NSS	KEY - pulley retainer, not used in A187623 alternator	1
23	NSS	SCREW - bearing retaining plate	1
24	A186182	HOUSING - drive end	1
25	A186193	BOLT - cover retaining	4
26	221425R1	FAN - alternator	1
27	J908560	PULLEY - alternator	1
28	J908563	RETAINER - alternator pulley	1



580 Super K Construction King Loader Backhoe AIR CONDITIONER COMPRESSOR

4-11

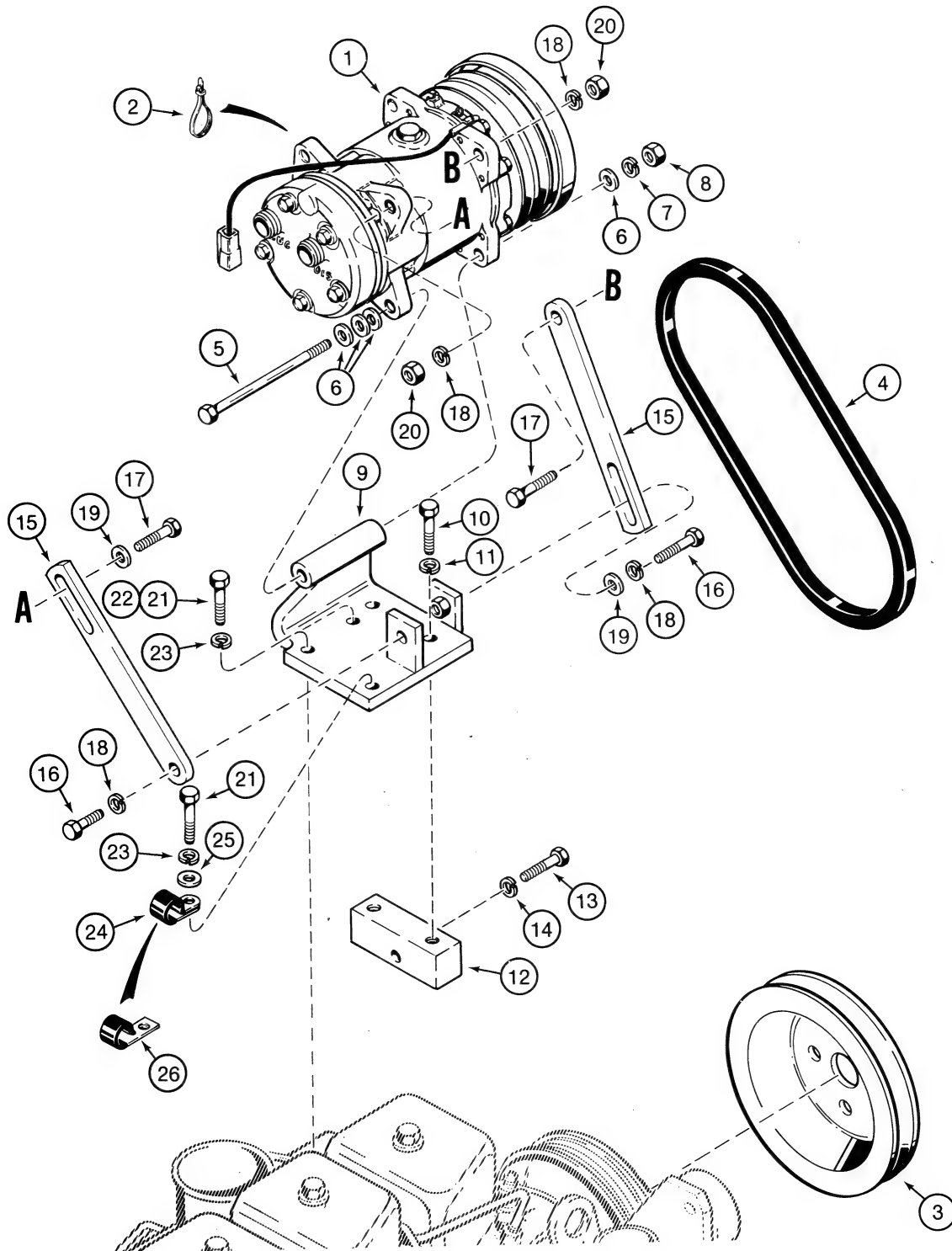
REF.	PART NO.	DESCRIPTION	REQD.
	97204C1	COMPRESSOR ASSEMBLY - air conditioning (Complete) (Sankyo-Sanden)	1
	83935C1	CLUTCH ASSEMBLY - compressor.....	1
1	NSS	COIL ASSEMBLY - field, 12 volt.....	1
2	NSS	PULLEY ASSEMBLY - drive, two groove.....	1
3	NSS	BEARING - pulley.....	1
4	NSS	PLATE - front.....	1
5	NSS	RING - snap	1
	A49673	KIT - accessory, clutch.....	1
6	NSS	RING - snap, pulley	1
7	NSS	CLAMP - lead wire, includes hardware	1
8	NSS	RING - snap, clutch	1
9	NSS	SHIM - clutch	UAR
10	NSS	KEY - clutch drive	1
11	NSS	NUT - retainer.....	1
12	NSS	SCREW - retainer	UAR
13	NSS	BLOCK - compressor	1
14	NSS	PLATE ASSEMBLY - valve.....	1
15	A49668	KIT - gasket, valve plate	1
16	1958959C1	HEAD - cylinder, includes item 15	1
17	A49669	BOLT - hex flanged, head	5
18	A49666	O-RING - rubber	1
19	A49667	PLUG - oil filler.....	1
	A49665	KIT - seal, compressor	1
20	A49664	RING - snap	1
21	NSS	SEAL - shaft	1
22	NSS	O-RING - housing	1
23	NSS	RING - felt	1
24	NSS	SEAT - seal, shaft.....	1
25	A49674	COVER - dust, bearing.....	1
26	1958961C1	COVER - dust, clutch	1



580 Super K Construction King Loader Backhoe STARTER AND ALTERNATOR MOUNTING

4-13

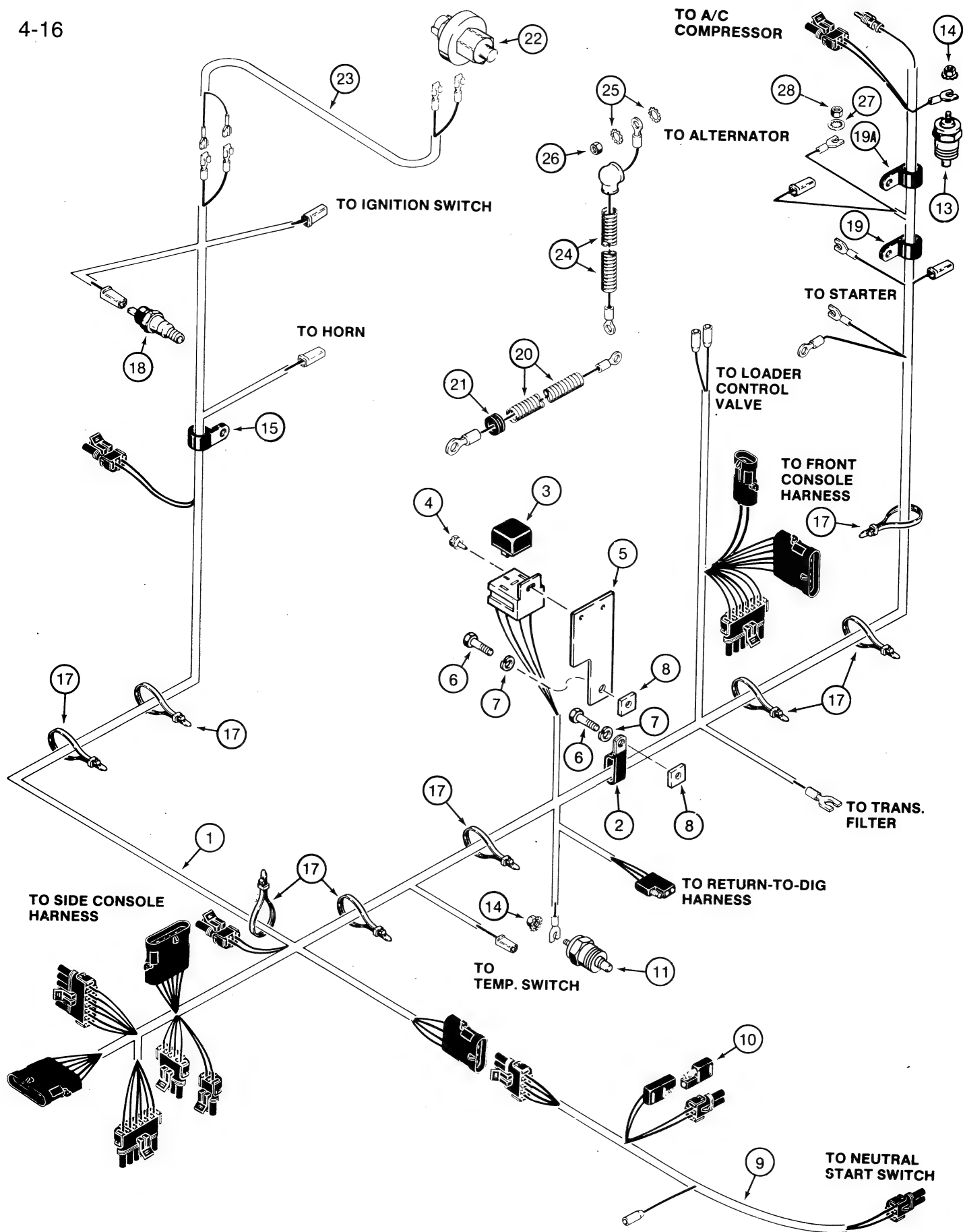
REF.	PART NO.	DESCRIPTION	REQD.
1	REF	STARTER ASSEMBLY - engine, for correct assembly and components, see pages 4-3 and 4-5.....	1
2	814-10040	BOLT - hex, 10 - 1.5 x 40 mm.....	2
3	892-11010	WASHER - lock, 10 mm.....	2
4	J911559	BELT - fan, V-ribbed, alternator and fan	1
5	A187873	ALTERNATOR ASSEMBLY - 65 ampere, parts list page 4-7, if used	1
6	A187623	ALTERNATOR ASSEMBLY - 95 ampere, parts list page 4-9, if used	1
7	814-10100	BOLT - hex, 10 mm x 100 mm.....	1
8	892-11010	WASHER - lock, 10 mm.....	1
9	J902469	SPACER - alternator mounting	1
10	614-8025	BOLT - hex, 8 - 1.25 x 25 mm.....	1
11	492-11031	WASHER - lock, 5/16 inch.....	1
12	J903089	BRACE - alternator mounting	1
13	614-8020	BOLT - hex, 8 mm x 20 mm.....	1



580 Super K Construction King Loader Backhoe
AIR CONDITIONING COMPRESSOR MOUNTING

4-15

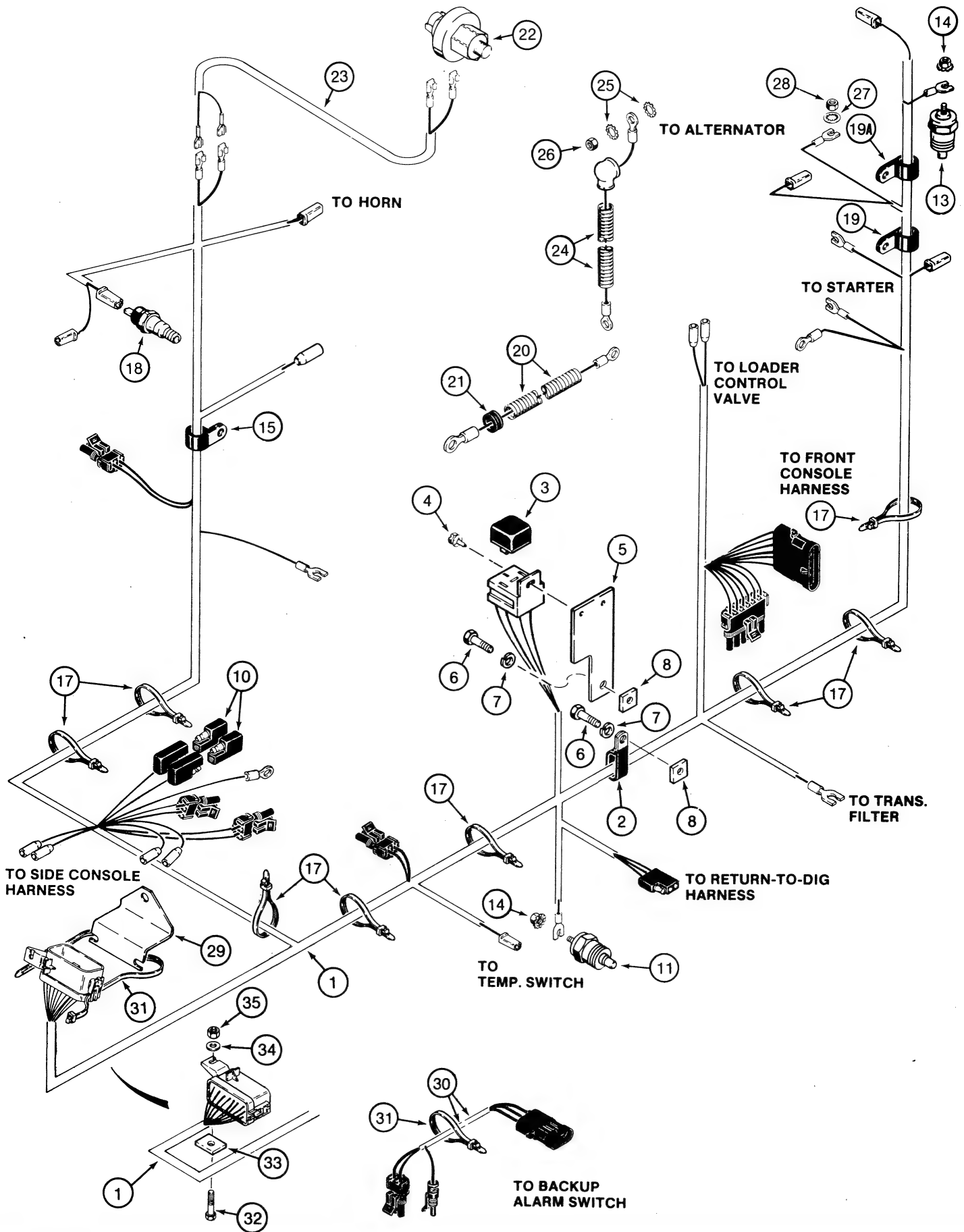
REF.	PART NO.	DESCRIPTION	REQD.
1	97204C1	COMPRESSOR ASSEMBLY - air conditioning, parts list page 4-11	1
2	L18337	STRAP - nylon, retaining, compressor wire	2
3	A189284	PULLEY - air conditioner compressor drive	1
4	A189285	BELT - drive, compressor	1
5	827-10130	BOLT - hex, 10 mm - 1.5 x 130 mm	1
6	895-11010	WASHER - flat, 11 x 21 x 2 mm	4
7	892-11010	WASHER - lock, 10 mm	1
8	825-1410	NUT - hex, 10 mm - 1.5	1
9	A189274	BRACKET - compressor mounting	1
10	614-10030	BOLT - hex, 10 mm - 1.5 x 30 mm	2
11	892-11010	WASHER - lock, 10 mm	2
12	A184614	BLOCK - bracket support	1
13	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	1
14	892-11010	WASHER - lock, 10 mm	1
15	A184932	STRAP - compressor adjusting	2
16	614-10030	BOLT - hex, 10 mm - 1.5 x 30 mm	2
17	614-10035	BOLT - hex, 10 - 1.5 x 35 mm	2
18	892-11010	WASHER - lock, 10 mm	4
19	895-11010	WASHER - flat, 11 x 21 x 2 mm	2
20	825-1410	NUT - hex, 10 mm - 1.5	2
21	614-10030	BOLT - hex, 10 mm - 1.5 x 30 mm, three used on naturally aspirated engines and one used on turbocharged engines	1-3
22	614-10035	BOLT - hex, 10 - 1.5 x 35 mm, turbocharged engines	2
23	892-11010	WASHER - lock, 10 mm	3
24	49851	CLAMP - P-type, closed, 6.35 mm ID, main engine harness to compressor bracket, if used	1
25	895-11010	WASHER - flat, 11 x 21 x 2 mm	1
26	D147383	CLAMP - J-type, if used	1



ENGINE ELECTRICAL CIRCUIT

PRIOR TO P.I.N. JJG0167019

REF.	PART NO.	DESCRIPTION	REQD.
1	D150515	HARNESS - engine, main (replaces D146028 harness), models with or without air conditioning.....	1
2	D39696	CLAMP - double, harness, use existing hardware.....	2
3	D128310	RELAY - 30 amperes, starter.....	1
4	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch.....	1
5	D149376	PLATE - relay mounting.....	1
6	413-612	BOLT - hex, 3/8 NC x 3/4 inch.....	2
7	492-11038	WASHER - lock, 3/8 inch.....	2
8	224-2246	NUT - square, 3/8 inch NC.....	2
9	D144986	HARNESS - transaxle.....	1
10	L71879	DIODE - alternator protecting.....	1
11	A166057	SENDER - transaxle temperature.....	1
13	A166057	SENDER - engine water coolant temperature.....	1
14	193-1000	NUT - hex, with external tooth lock washer, No. 10 NF.....	2
15	49859	CLAMP - P-type, harness, left-hand side of engine, uses existing engine hardware.....	1
17	L18337	STRAP - nylon, retaining, harness.....	UAR
18	A162297	SENDER - oil pressure.....	1
19	49858	CLAMP - P-type, harness, uses existing engine hardware.....	1
19A	D147383	CLAMP - J-type.....	1
20	D150519	WIRE - 1950 mm long, power, battery terminal on starter to cab relay (replaces D147514 2200 mm long wire).....	1
21	D141118	GROMMET - power wire.....	1
22	1983233C1	SENDER - air filter restriction indicator.....	1
23	D140449	WIRE - jumper, restriction indicator to harness.....	1
24	D143830	WIRE - 675 mm long, alternator to starter.....	1
25	493-21033	WASHER - external tooth lock, 5/16 inch.....	2
26	825-1408	NUT - hex, 8 mm - 1.25.....	1
27	493-21020	WASHER - internal tooth lock, 3/16 inch.....	1
28	825-1405	NUT - hex, 5 mm - .8.....	1

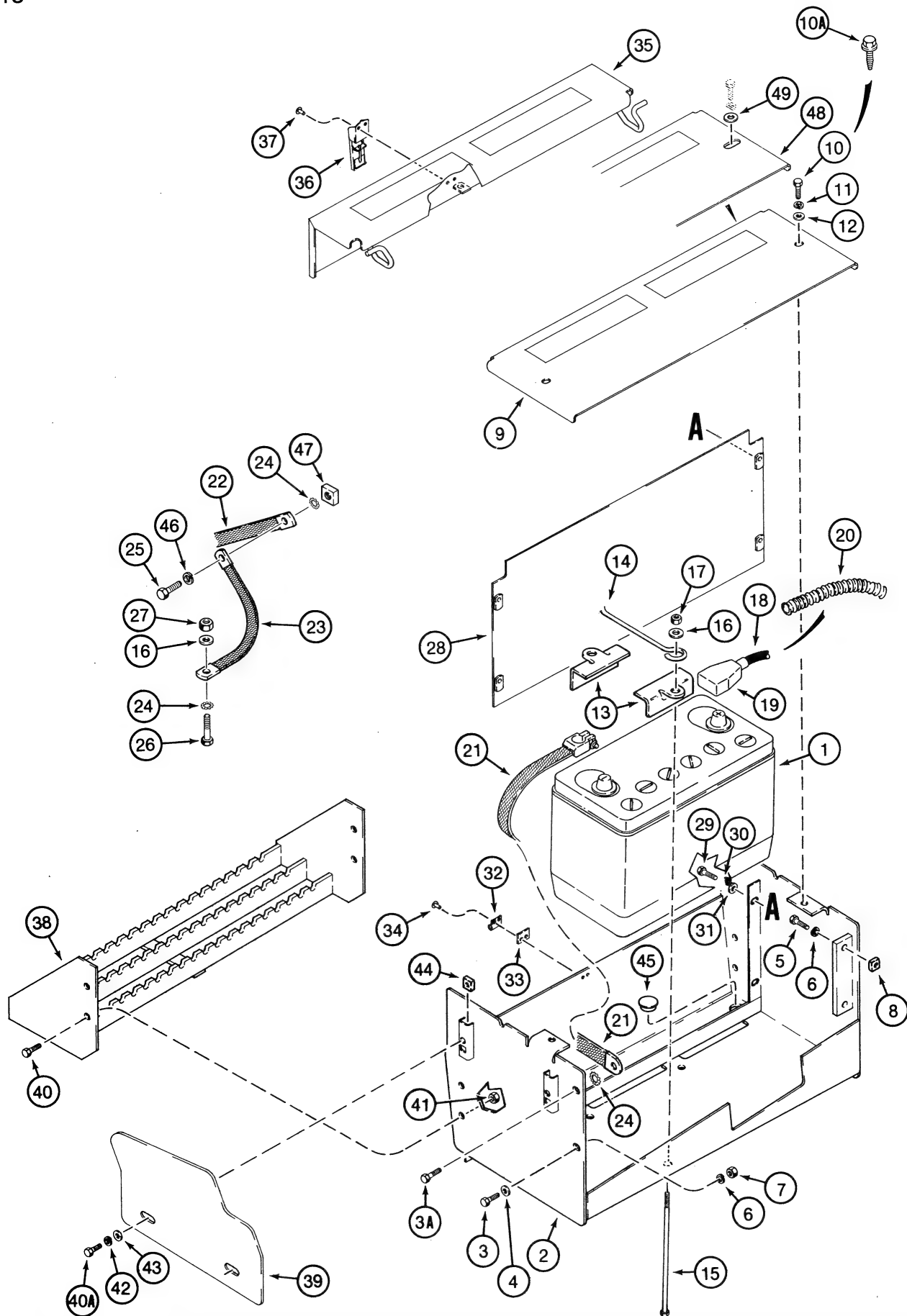


ENGINE ELECTRICAL CIRCUIT

P.I.N. JJG0167019 AND AFTER

REF.	PART NO.	DESCRIPTION	REQD.
1	109646A1	HARNESS - engine, main, includes transaxle connections, (replaces 101596A1 harness).....	1
2	D39696	CLAMP - double, harness, use existing hardware.....	1
3	D128310	RELAY - 30 amperes, starter.....	1
4	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch.....	1
5	D149376	PLATE - relay mounting.....	1
6	413-612	BOLT - hex, 3/8 NC x 3/4 inch.....	2
7	492-11038	WASHER - lock, 3/8 inch.....	2
8	224-2246	NUT - square, 3/8 inch NC.....	2
10	L71879	DIODE - alternator protecting.....	2
11	A166057	SENDER - transaxle temperature.....	1
13	A166057	SENDER - engine water coolant temperature.....	1
14	193-1000	NUT - hex, with external tooth lock washer, No. 10 NF.....	2
15	49859	CLAMP - P-type, harness, left-hand side of engine, uses existing engine hardware.....	1
17	L18337	STRAP - nylon, retaining, harness.....	UAR
18	A162297	SENDER - oil pressure.....	1
19	49858	CLAMP - P-type, harness, uses existing engine hardware.....	1
19A	D147383	CLAMP - J-type.....	1
20	D150519	WIRE - 1950 mm long, power, battery terminal on starter to cab relay.....	1
21	D141118	GROMMET - power wire.....	1
22	1983233C1	SENDER - air filter restriction indicator.....	1
23	D140449	WIRE - jumper, restriction indicator to harness.....	1
24	D143830	WIRE - 675 mm long, alternator to starter.....	1
25	493-21033	WASHER - external tooth lock, 5/16 inch.....	2
26	825-1408	NUT - hex, 8 mm - 1.25.....	1
27	493-21020	WASHER - internal tooth lock, 3/16 inch.....	1
28	825-1405	NUT - hex, 5 mm - .8.....	1
29	103271A1	BRACKET - 101596A1 harness connector mounting, if used.....	1
30	D150126	HARNESS - air conditioning, chassis.....	1
31	L18337	STRAP - tie, nylon, harness.....	5
32	413-416	BOLT - hex, 1/4 NC x 1 inch.....	1
33	108535A1	WASHER - special.....	1
34	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch.....	1
35	231-1444	NUT - light hex, self-locking, 1/4 inch NC.....	1

NOTE: See page 4-53 for coolant temperature switch and bushing used on models with audible warning alarm for water temperature, engine oil pressure, and parking brake.



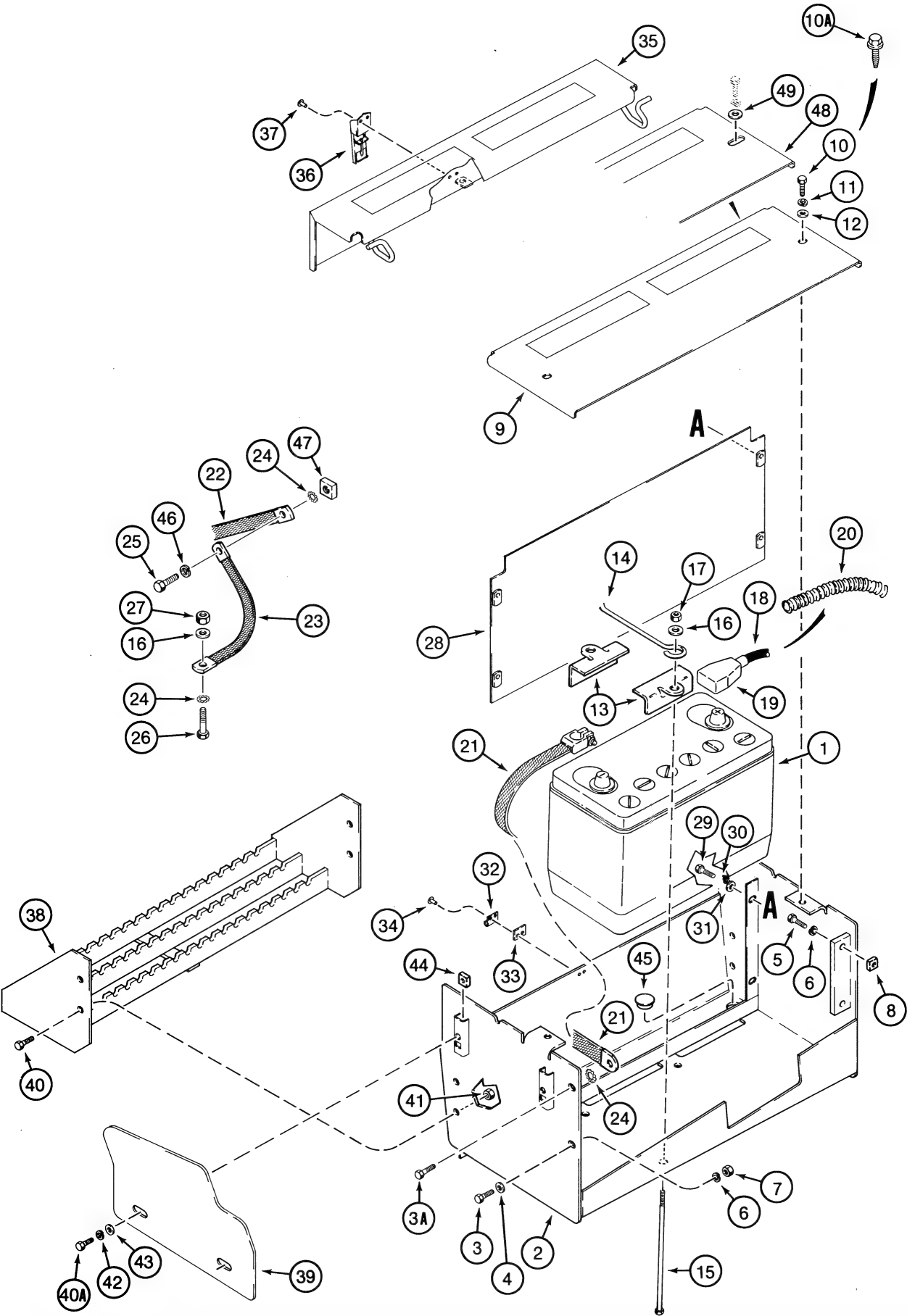
580 Super K Construction King Loader Backhoe BATTERY, BATTERY BOX, TOOL BOX, AND MOUNTING PARTS

4-19

REF.	PART NO.	DESCRIPTION	REQ'D.
1	*BMF31E	BATTERY - 12 volt, dry, models without cold start	1
2	D147084	BOX - battery and tool	1
3	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch, lower mounting hole	1
3A	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch, upper mounting hole	1
4	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	2
5	413-616	BOLT - hex, 3/8 NC x 1 inch	2
6	492-11038	WASHER - lock, 3/8 inch	4
7	425-106	NUT - hex, 3/8 inch NC	2
8	224-2246	NUT - square, 3/8 inch NC	2
9	D146879	COVER - battery box, 29/64 x 19/32 inch slot, no longer available, order D150818 cover and (2) 495-81002 washers, items 48 and 49 on page 4-21	1
10	413-616	BOLT - hex, 3/8 NC x 1 inch, if used	2
10A	118978A1	SCREW - pointed, self-aligning, special, if used (service with 458-616)	2
11	492-11038	WASHER - lock, 3/8 inch	2
12	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch, D146879 cover, if used	2
13	D125079	BRACKET - battery hold down	2
14	D55561	RETAINER - battery	1
15	424-6160	BOLT - hex, 3/8 NC x 10 inch, grade 2	2
16	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	3
17	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8	2
18	D150244	CABLE - 1650 mm long, positive, battery (replaces D146864 1600 mm long cable)	1
19	383619R1	COVER - cable, battery end (replaces A27072)	1
20	D150223	SLEEVE - 1525 mm long, positive cable, guard	1
21	D83485	STRAP - negative, at battery	1
22	D127018	STRAP - ground, engine	1
23	D140369	STRAP - ground, pod and chassis	1
24	493-11039	WASHER - internal-external tooth lock, 3/8 inch	4
25	413-614	BOLT - hex, 3/8 NC x 7/8 inch	1
26	413-616	BOLT - hex, 3/8 NC x 1 inch	1
27	425-106	NUT - hex, 3/8 inch NC	1
28	D147669	PLATE - divider, tool box	1
29	413-612	BOLT - hex, 3/8 NC x 3/4 inch	4
30	492-11038	WASHER - lock, 3/8 inch	4
31	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	4
32	D131941	STRIKER - tool box latch	1
33	D150059	SPACER - latch	1
34	151-538	RIVET - pop, 3/16 x 9/16 inch	2
35	D147083	COVER - tool box	1
36	D150176	LATCH - tool box	1
37	151-539	RIVET - pop, 3/16 x 13/32 inch	2
38	D149922	STEP - operator compartment access, left-hand, see page 9-95, item 16, for right-hand step	1
39	113158A1	GUARD - mud, tool box (replaces D150028 and 104132A1 guard)	1

***NOTE:** For models with a dual battery cold start system, see page 4-23.

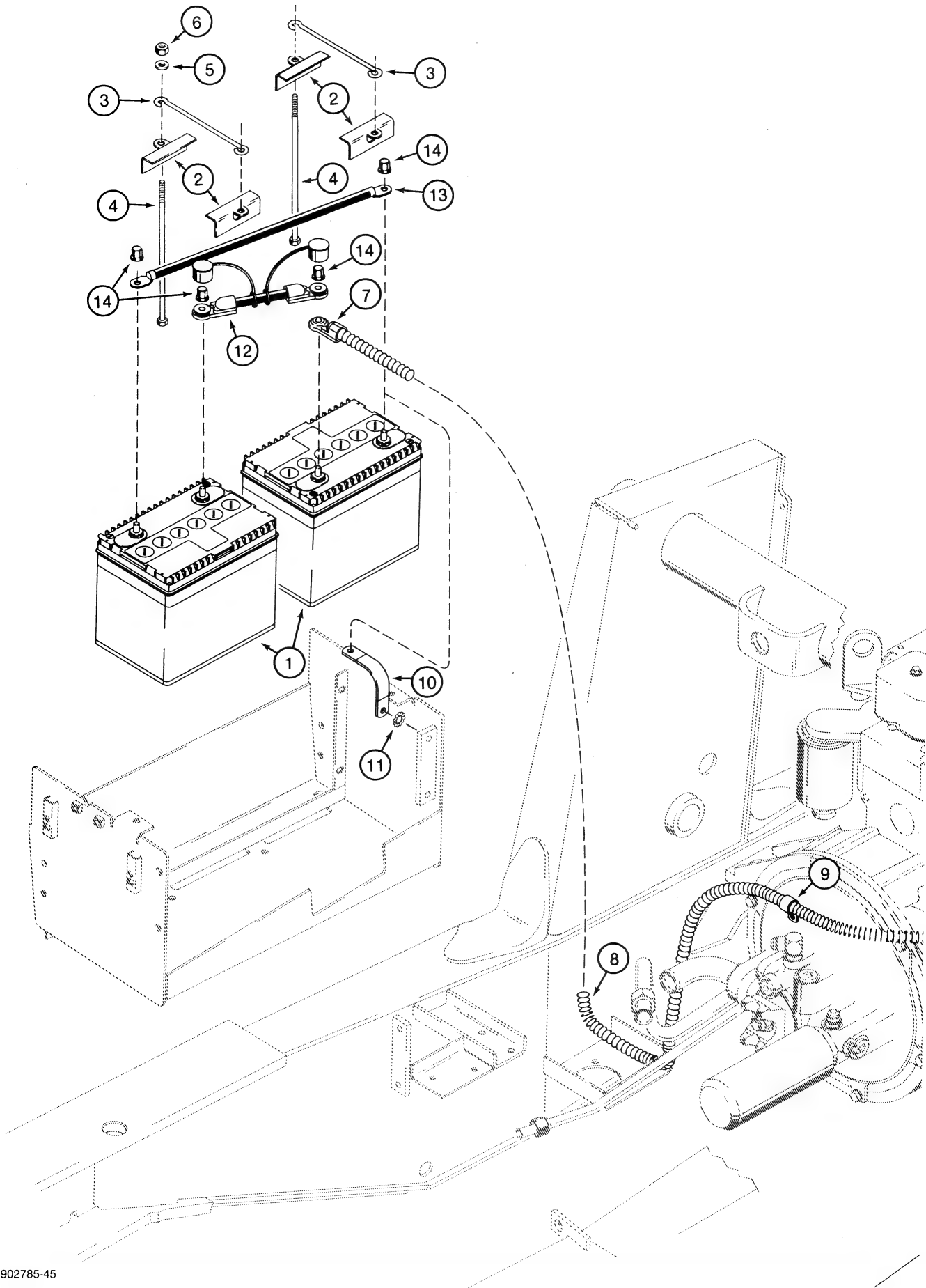
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580 Super K Construction King Loader Backhoe 4-21

BATTERY, BATTERY BOX, TOOL BOX, AND MOUNTING PARTS

REF.	PART NO.	DESCRIPTION	REQD.
40	413-616	BOLT - hex, 3/8 NC x 1 inch	4
40A	413-614	BOLT - hex, 3/8 NC x 7/8 inch	2
41	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8	4
42	492-11038	WASHER - lock, 3/8 inch	2
43	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	2
44	224-2246	NUT - square, 3/8 inch NC	2
45	1340318C1	PLUG - 25 mm diameter, black	2
46	492-11038	WASHER - lock, 3/8 inch	1
47	224-2246	NUT - square, 3/8 inch NC	1
48	D150818	COVER - battery box, 29/64 x 3/4 inch slot	1
49	495-81002	WASHER - flat, 7/16 x 1-3/8 x 5/64 inch, D150818 cover, if used	2

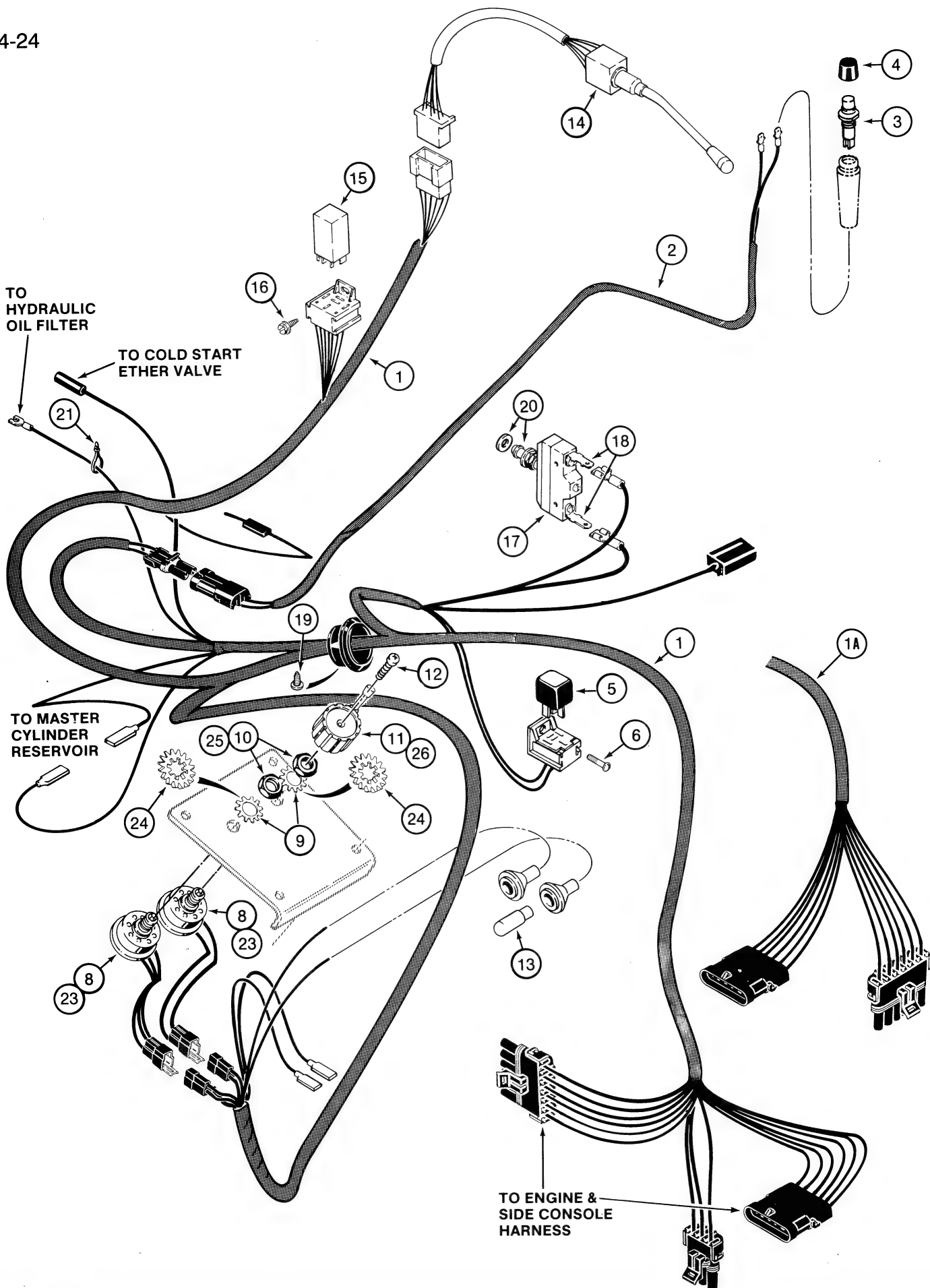


DUAL BATTERIES AND CABLES

MODELS WITH COLD START SYSTEM

REF.	PART NO.	DESCRIPTION	REQD.
1	*BMF28S	BATTERY - 12 volt, dry, models with cold start	2
2	D125079	BRACKET - battery hold down	4
3	D55561	RETAINER - battery.....	2
4	424-6160	BOLT - hex, 3/8 NC x 10 inch, grade 2	4
5	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	4
6	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	4
7	D150245	CABLE - 1650 mm long, positive to starter (replaces D146863 1600 mm long cable).....	1
8	D150223	SLEEVE - 1525 mm long, positive cable, guard.....	1
9	D150224	CLAMP - cable to torque converter housing.....	1
10	D140369	STRAP - 260 mm long, negative ground to battery box.....	1
11	493-11039	WASHER - internal-external tooth lock, 3/8 inch, at ground strap mounting to battery box	1
12	D145898	CABLE - 170 mm long, positive jumper.....	1
13	D150516	CABLE - 500 mm long, negative jumper (replaces D145899 425 mm long cable).....	1
14	D126409	NUT - hex, 3/8 NC, special, battery terminal	4

***NOTE:** For battery used on models without cold start system,
see page 4-19.



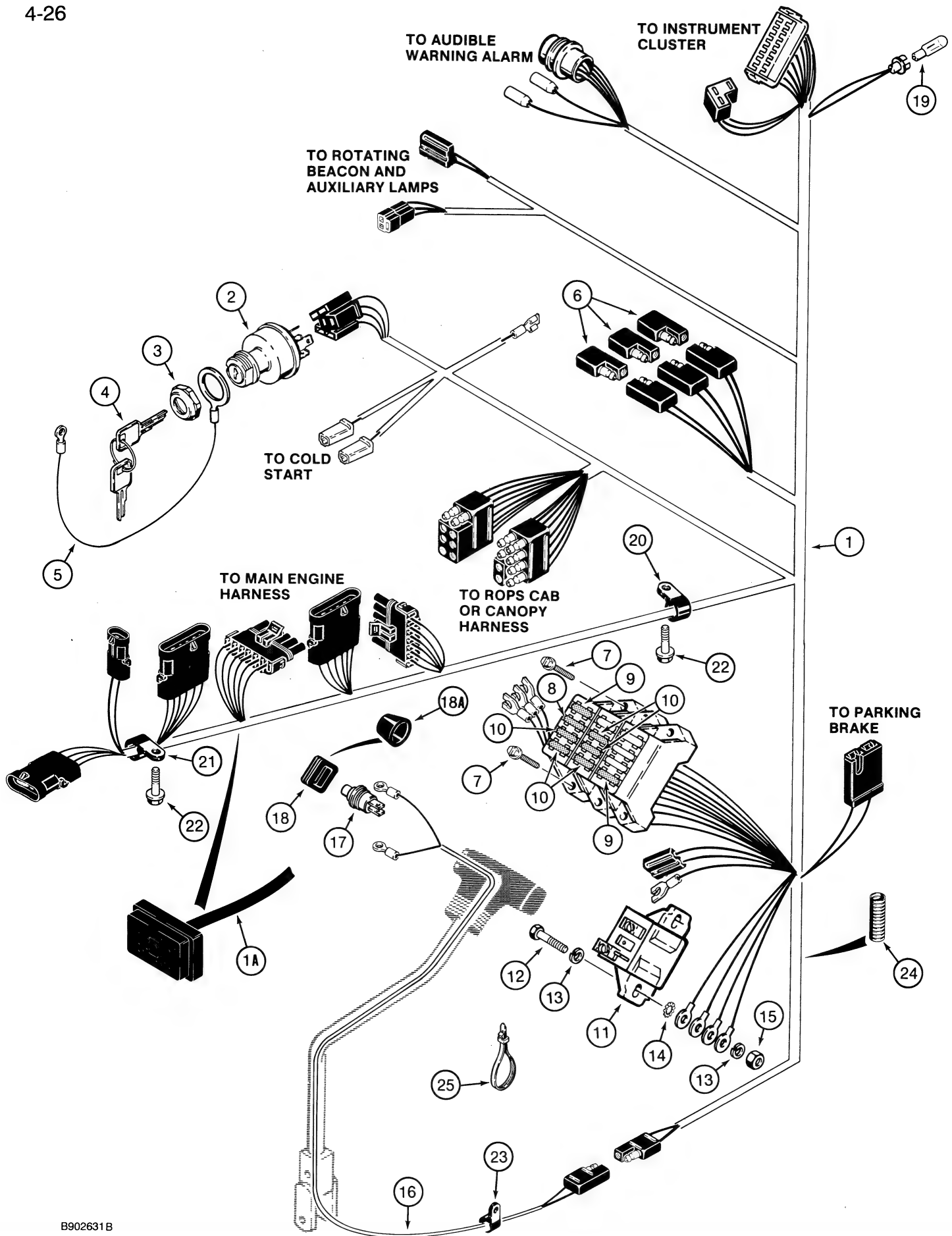
580 Super K Construction King Loader Backhoe

FRONT CONSOLE WIRING HARNESS AND CONNECTIONS

4-25

REF.	PART NO.	DESCRIPTION	REQD.
1	D150199	HARNESS - front console, prior to P.I.N. JYG0167019.....	1
1A	101595A1	HARNESS - front console, P.I.N. JYG0167019 and after.....	1
2	D147050	HARNESS - loader control lever, to fast cycle switch, D150199 or 101595A1 harness.....	1
3	D141486	SWITCH - fast cycle, loader control lever.....	1
4	D138252	COVER - switch.....	1
5	D128310	RELAY - 30 amperes, used on models with horn.....	1
6	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch, harness, relay socket mounting.....	1
	*D138376	SWITCH ASSEMBLY - front driving and rear flood lamps, three position with octagonal shaft, no longer available, order 133820A1 switch and D149932 knob	1
	*D138377	SWITCH ASSEMBLY - flasher lamps, two position with octagonal shaft, no longer available, order 133818A1 switch and D149932 knob	1
8	NSS	SWITCH - D138376 or D138377 switch	1
9	193-58	WASHER - external tooth lock, 1/2 inch, D138376 or D138377 switch.....	1
10	425-118	NUT - hex, 1/2 inch NF	1
11	A141735	KNOB - D138376 work lamp and D138377 flasher switches, with octagonal shaft, see page 9-173 for lamp and flasher symbol decals, if used.....	2
12	470-1088	SCREW - machine, pan head slotted, No. 8 NC x 1/2 inch.....	2
13	D71346	BULB - light, No. 168.....	2
14	E46938	LEVER - switch, turn signal and horn.....	1
15	D147166	SWITCH - flasher, see page 5-3, item 14, for socket mounting plate.....	1
16	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch, mounts flasher socket to plate on page 5-3.....	1
17	D148108	SWITCH - brake lamp	1
18	A187990	TERMINAL - male.....	2
19	187-1325	SCREW - self-tapping, pan head slotted, No. 10-16 x 1/2 inch.....	1
20	495-81153	WASHER - flat, 15/32 x 3/4 x 1/32 inch	2
21	L18337	STRAP - tie, nylon	1
	133820A1	SWITCH ASSEMBLY - front driving and rear flood lamps, three position with square shaft, includes items 23-25 (replaces D138376, D149931 switch).....	1
	133818A1	SWITCH ASSEMBLY - flasher lamps, two position with square shaft, includes items 23-25 (replaces D138377, D149893 switch)	1
23	NSS	SWITCH - 133820A1 or 133818A1 switch.....	1
24	493-11052	WASHER - internal-external tooth lock, 1/2 inch	1
25	425-148	NUT - hex, jam, 1/2 inch NC.....	1
26	D149932	KNOB - D149931, D149893, 133820A1 and 133818A1 switch with square shaft, if used	2

*NOTE: See item 9 on page 4-29 for switch mounting plate.



580 Super K Construction King Loader Backhoe

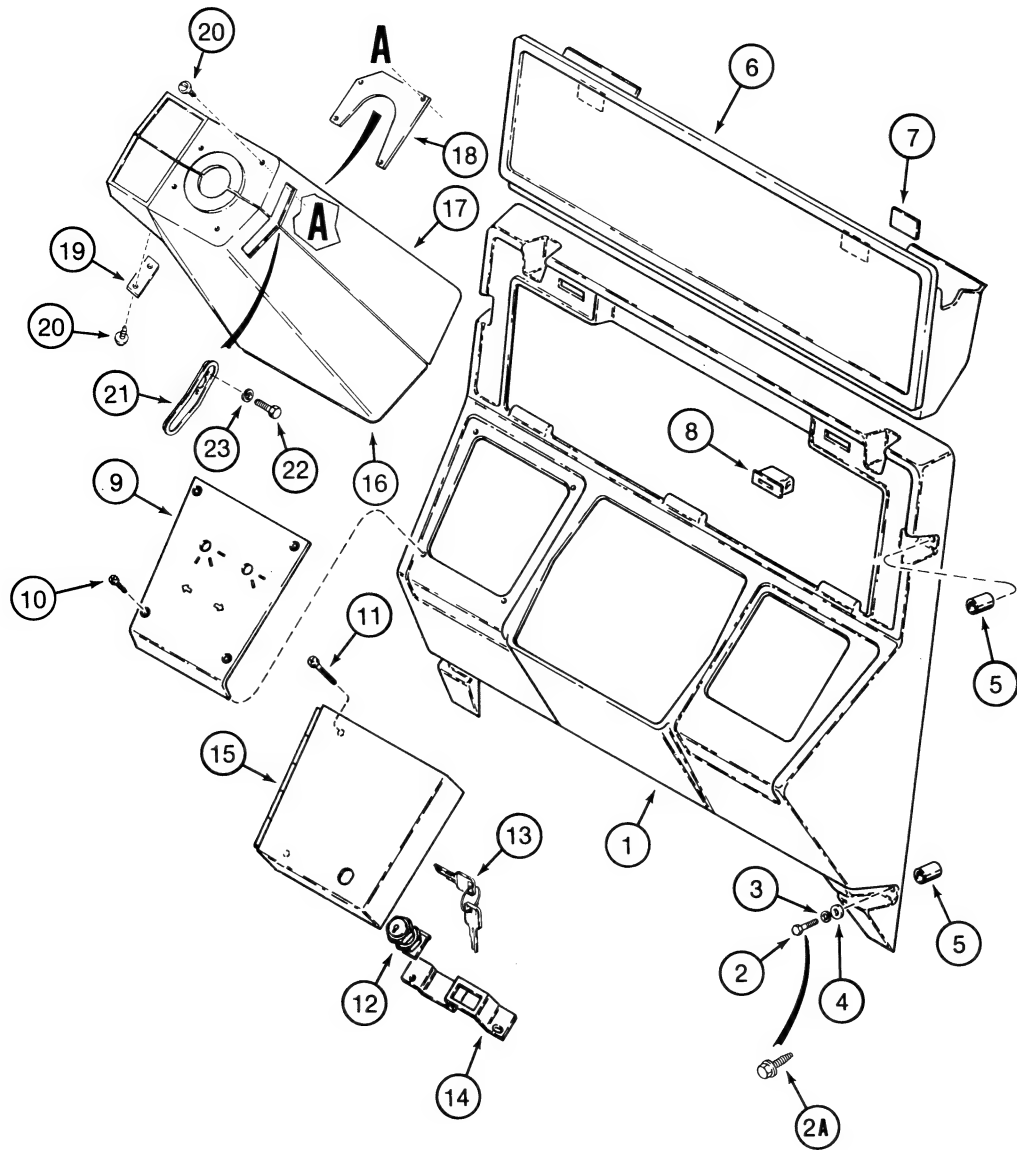
SIDE CONSOLE WIRING HARNESS AND CONNECTIONS

4-27

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D147040	HARNESS - side console, used with D146664 alarm wire, item 12 on page 4-53 on models with audible warning alarm, prior to P.I.N. JJG0167019	1
1A	110884A1	HARNESS - side console, includes wiring for audible warning alarm, D146664 wire, item 12 on page 4-53, not required with this harness, P.I.N. JJG0167019 and after (replaces 101597A1).....	1
	D134737	SWITCH ASSEMBLY - key, includes keys.....	1
2	NSS	SWITCH - key, without keys.....	1
3	A77314	NUT - key switch mounting.....	1
4	A77313	KEY - set of two	1
5	D144977	WIRE - ground, key switch, uses existing hardware	1
6	L71879	DIODE - alternator protecting	3
7	281-45510	SCREW - self-tapping, hex washer head, No. 10 NF x 5/8 inch.....	6
8	A149803	FUSE - 25 amperes	1
9	A149800	FUSE - 10 ampere (red)	2
10	A149801	FUSE - 15 ampere (light blue).....	5
11	1546541C1	RELAY - switch, 75 ampere (replaces D144471 relay).....	1
12	413-416	BOLT - hex, 1/4 NC x 1 inch	2
13	492-11025	WASHER - lock, 1/4 inch, two of the three washers are at the lower mounting hole.....	3
14	493-11026	WASHER - internal-external tooth lock, 1/4 inch, lower mounting hole only.....	1
15	193-1006	NUT ASSEMBLY - includes washer, 1/4 inch, NC	2
16	D150166	HARNESS - transaxle shift lever switch to side console harness.....	1
17	D141486	SWITCH - clutch cutout, transaxle shift lever handle	1
18	D140149	COVER - square, switch, if used	1
18A	D138252	COVER - round, switch, if used.....	1
19	D71346	BULB - warning, No. 168, transmission filter	1
20	515-23254	CLAMP - P-type, 1 inch	1
21	49858	CLAMP - P-type, 3/4 inch	1
22	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch, retains, side console harness clamps to underside of chassis, (replaces D141589 bolt).....	1-2
23	49858	CLAMP - harness, closed, 3/4 inch ID, uses side console hardware for mounting (replaces 49771)	1
24	D150427	GUARD - 150 mm long, sleeve, harness, cut to required length from D99461 bulk guard, see below.....	1
25	L18337	STRAP - tie, relay	1
	D99461	GUARD - 2032 mm long, sleeve, bulk.....	1

NOTE: See page 9-131 for harness fuse box cover.

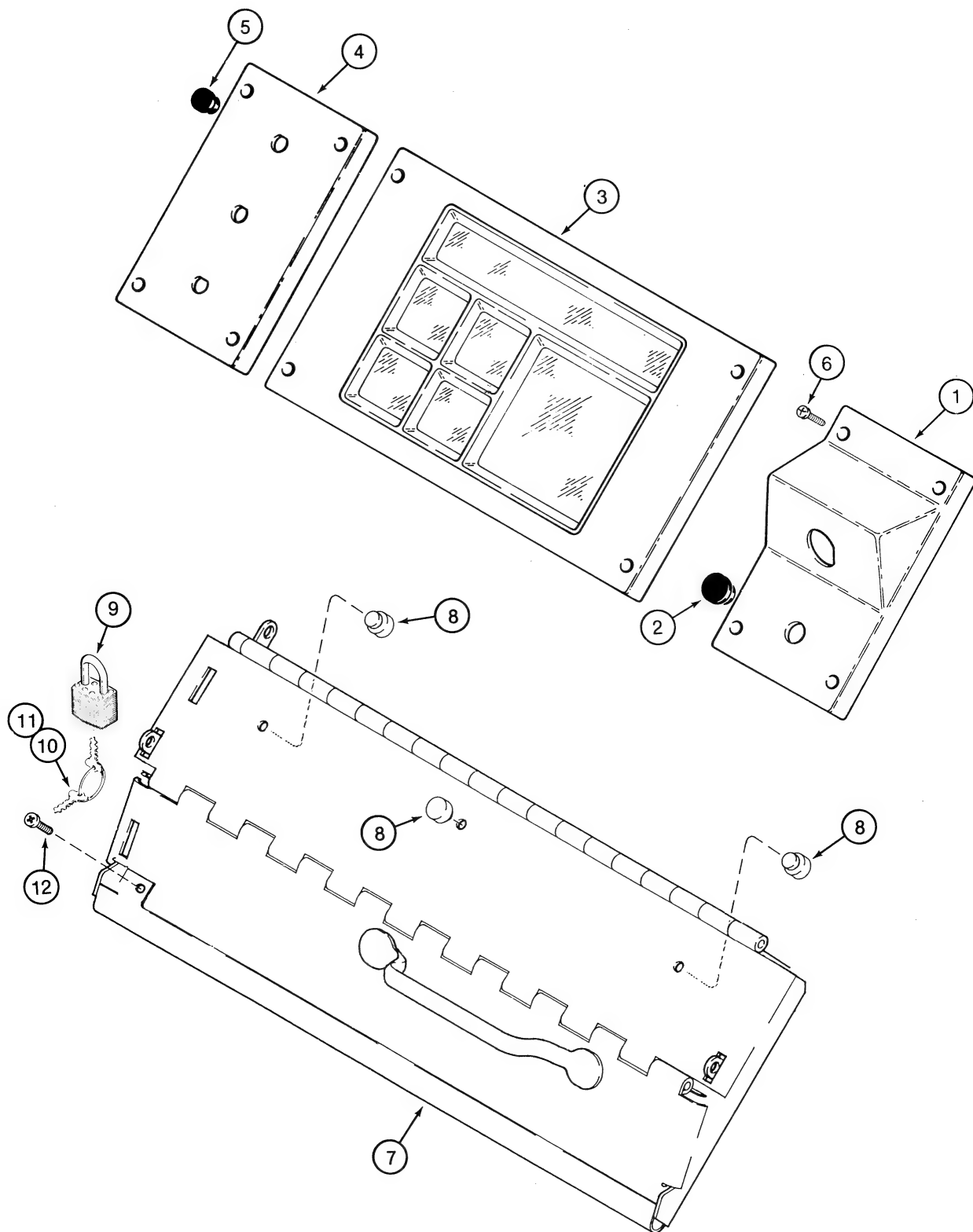
NOTE: See page 4-53 for special parts used on models with audible warning alarm for water temperature, engine oil pressure, and parking brake.



580 Super K Construction King Loader Backhoe
FRONT INSTRUMENT PANEL AND COVERS

4-29

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D134389	PANEL - instrument, front.....	1
2	413-516	BOLT - hex, 5/16 NC x 1 inch, if used.....	6
2A	114921A1	SCREW - pointed, self-aligning, special, if used.....	6
3	492-11031	WASHER - lock, 5/16 inch, if used.....	6
4	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch.....	6
5	102439A1	SPACER - 13/32 x 1/2 x 3/8 inch.....	2-4
6	D134256	COMPARTMENT - storage, operators manual, see page 9-173, item 38, for decal.....	1
7	D135903	PLATE - steel, striker.....	2
8	D127335	CATCH - magnetic, storage compartment.....	2
9	D146194	PLATE - switch mounting.....	1
10	440-1108	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch.....	4
11	140-117	SCREW - machine, pan head Phillips, No. 10 NC x 1 inch, used with items 14 and 15.....	4
12	D136738	LOCK ASSEMBLY - includes two keys, anti-vandalism cover, ROPS canopy models.....	1
13	N14440	KEY - cover lock.....	2
14	D140938	BRACKET - lower, switch plate, anti-vandalism, ROPS canopy models.....	1
15	D140937	COVER - front instrument panel, anti-vandalism, ROPS canopy models.....	1
	D143963	COVER ASSEMBLY - two piece, steering column, see page 9-173 for arrow decal.....	1
16	NSS	COVER - steering column, rear.....	1
17	NSS	COVER - steering column, front.....	1
18	D143710	PLATE - retaining, upper.....	1
19	D143711	PLATE - retaining, side.....	1
20	D148607	SCREW - Phillips flat head, No. 10 NC x 5/8 inch, special.....	6
21	E47509	PLATE - cover, turn signal and horn lever mounting.....	1
22	614-4008	BOLT - hex, 4 - 7 x 8 mm.....	2
23	892-11004	WASHER - lock, 4 mm.....	2

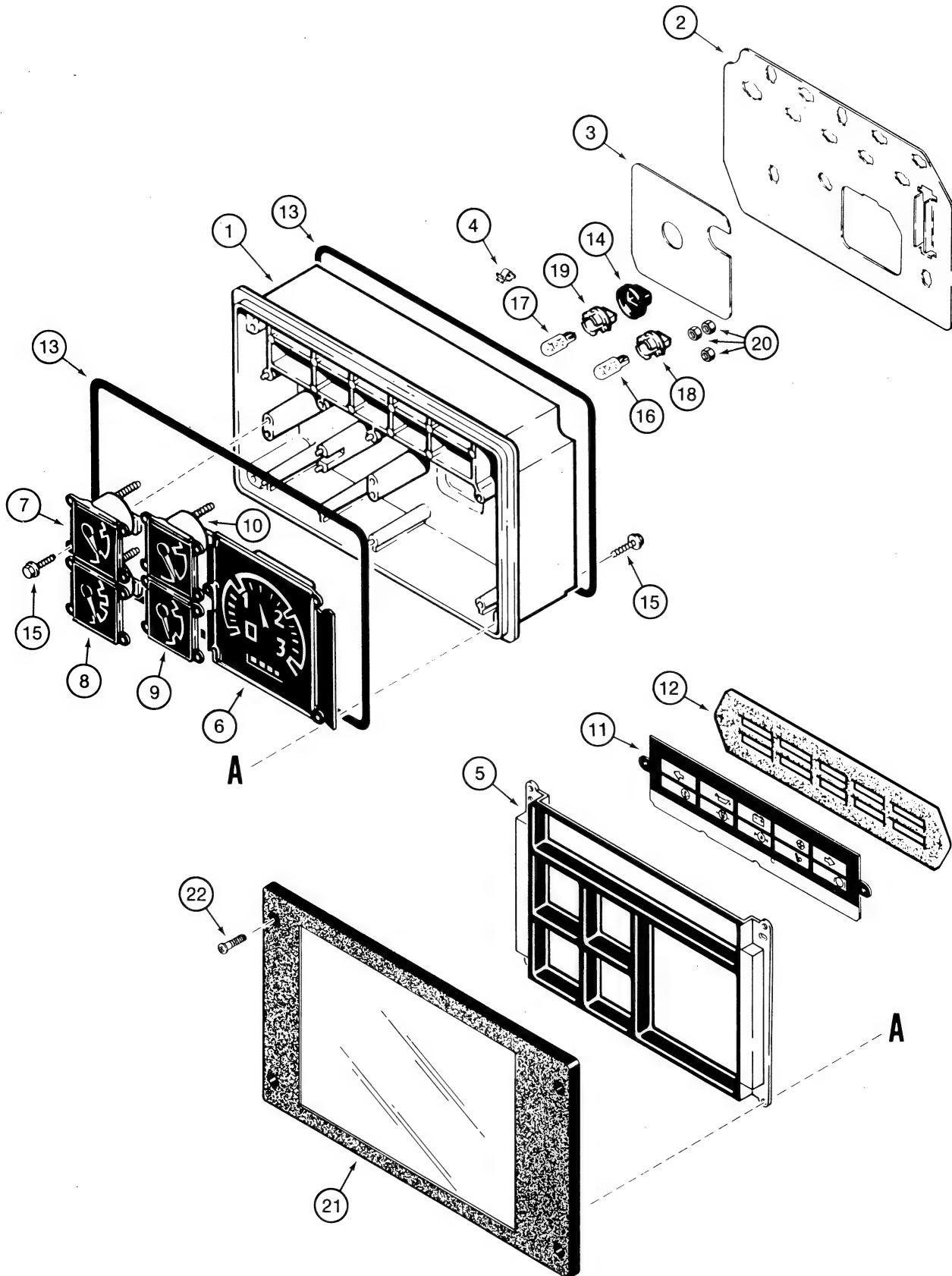


580 Super K Construction King Loader Backhoe SIDE INSTRUMENT PANEL AND COVERS

4-31

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D135675	PLATE - rear, key switch.....	1
2	353-406	PLUG - nylon, 5/8 inch, not required on models with cold start	1
3	A187965	CLUSTER ASSEMBLY - instrument, parts list page 4-33	1
4	D141501	PLATE - front, accessory switches, see page 9-173 for decals.....	1
5	353-404	PLUG - button, 1/2 inch	3
6	440-1108	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch	12
	D149553	COVER ASSEMBLY - side instrument panel, anti-vandalism, ROPS canopy models	1
7	NSS	COVER - side instrument panel, anti-vandalism	1
8	F22426	BUMPER - rubber.....	3
9	D93753	PADLOCK - includes keys, if used.....	2
10	R29555	KEY - for Master padlock only, if used.....	2
11	D93751	KEY - for Yale padlock, if used.....	2
12	140-117	SCREW - machine, pan head Phillips, No. 10 NC x 1 inch	8

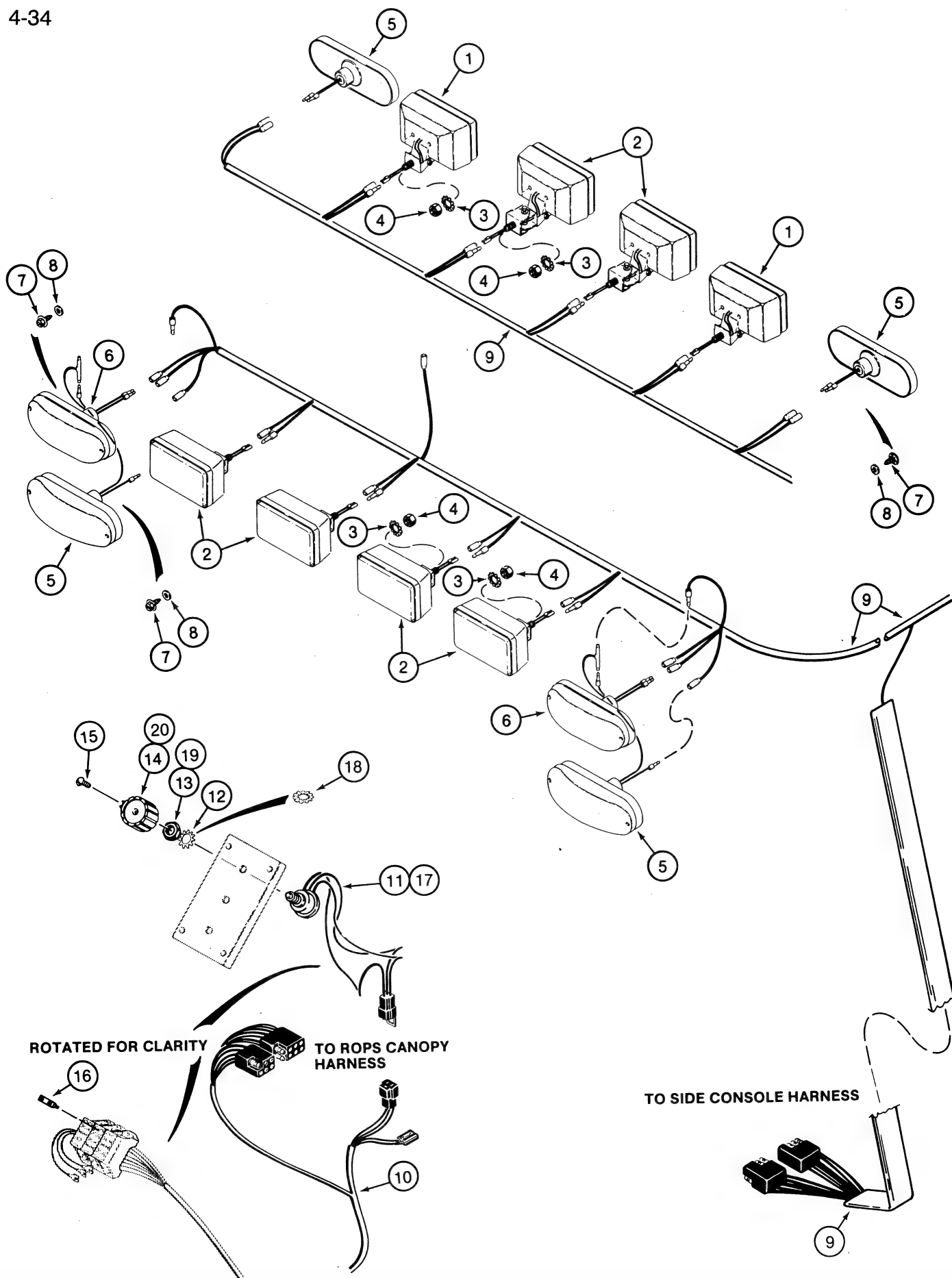
NOTE: See page 9-131 for left-hand and right-hand instrument consoles for cab or canopy models.



580 Super K Construction King Loader Backhoe
INSTRUMENT CLUSTER

4-33

REF.	PART NO.	DESCRIPTION	REQD.
	A187965	CLUSTER ASSEMBLY - instrument, tractor.....	1
	A191114	HOUSING ASSEMBLY - instrument cluster	1
1	N13545	HOUSING - instrument cluster	1
2	H422774	BOARD - printed circuit, instrument cluster	1
3	H422758	GASKET - housing.....	1
4	H422766	CLIP - gauges.....	12
5	N14227	COVER - instrument cluster	1
6	N13543	GAUGE - tachometer, includes hourmeter.....	1
7	N13542	GAUGE - water temperature	1
8	A47688	GAUGE - fuel level	1
9	N6807	GAUGE - voltmeter.....	1
10	N13546	GAUGE - oil temperature	1
11	D146335	LENS - identification, warning lamps.....	1
12	D71342	GASKET - lens.....	1
13	D71343	GASKET - instrument cluster	2
14	D71344	BOOT - lamp socket, rubber	3
15	A45093	SCREW - special.....	12
16	D71346	BULB - warning, No. 168	8
17	W10478	BULB - illumination, No. 194.....	3
18	A47123	SOCKET - lamp.....	8
19	A47125	SOCKET - lamp, green	3
20	225-14106	NUT - hex, No. 6 NC.....	3
21	N14225	SHIELD - instrument cluster	1
22	440-1108	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch	4

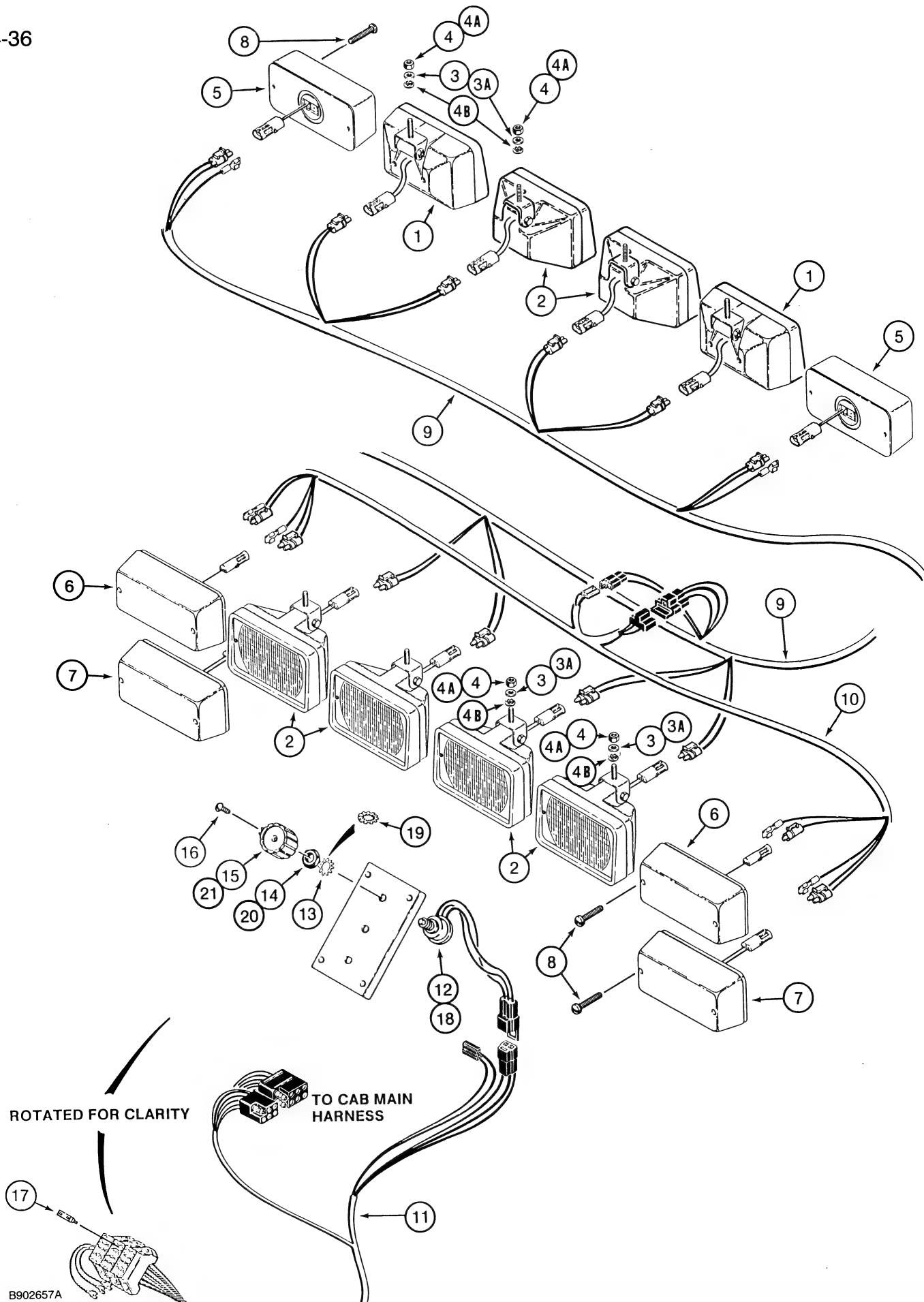


580 Super K Construction King Loader Backhoe
TRACTOR LAMP ELECTRICAL CIRCUIT
WITH CANOPY

4-35

REF.	PART NO.	DESCRIPTION	REQD.
1	D132681	LAMP ASSEMBLY - front driving, outer, parts list page 4-39	2
2	D132682	LAMP ASSEMBLY - rear flood (outer) and optional front and rear work lamps (center), parts list page 4-39	2-6
3	493-11052	WASHER - internal-external tooth lock, 1/2 inch	4-8
4	425-148	NUT - hex, jam, 1/2 inch NC	4-8
5	D135384	LAMP ASSEMBLY - turn signal and flasher, front and rear, amber, parts list page 4-43	4
6	D121152	LAMP ASSEMBLY - stop and tail, rear, red, parts list page 4-43	2
7	187-576	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch, lamp, base to ROPS canopy frame	12
8	495-31022	WASHER - flat, 7/32 x 1/2 x 3/64 inch	12
9	D146580	HARNESS - ROPS canopy, lamps, attaches to side console instrument harness, see page 9-163 for harness cover that mounts to the ROPS canopy	1
10	REF	HARNESS - instrument, side console, see page 4-27 for harness options and mounting	1
	D141394	SWITCH ASSEMBLY - four-position, separate switching of optional front and rear work lamps, with octagonal shaft, no longer available, order D151015 switch and D149932 knob, items 17-20	1
11	NSS	SWITCH - optional front and rear work lamps	1
12	193-58	WASHER - external tooth lock, 1/2 inch	1
13	425-118	NUT - hex, 1/2 inch NF	1
14	A141735	KNOB - D141394 optional work lamp switch with octagonal shaft, see page 9-173, item 50, for work lamp symbol decal, if used	1
15	470-1088	SCREW - machine, pan head slotted, No. 8 NC x 1/2 inch	1
16	A149802	FUSE - 20 amperes, mounts in fuse holder in side console harness	1
	D151015	SWITCH ASSEMBLY - four-position, separate switching of optional front and rear work lamps, with square shaft	1
17	NSS	SWITCH - optional front and rear work lamps	1
18	493-11052	WASHER - internal-external tooth lock, 1/2 inch	1
19	425-148	NUT - hex, jam, 1/2 inch NC	1
20	D149932	KNOB - D151015 optional work lamp switch with square shaft, if used	1

NOTE: See front console harness and connections on page 4-25,
for front and rear lamp and turn signal and flasher switches.

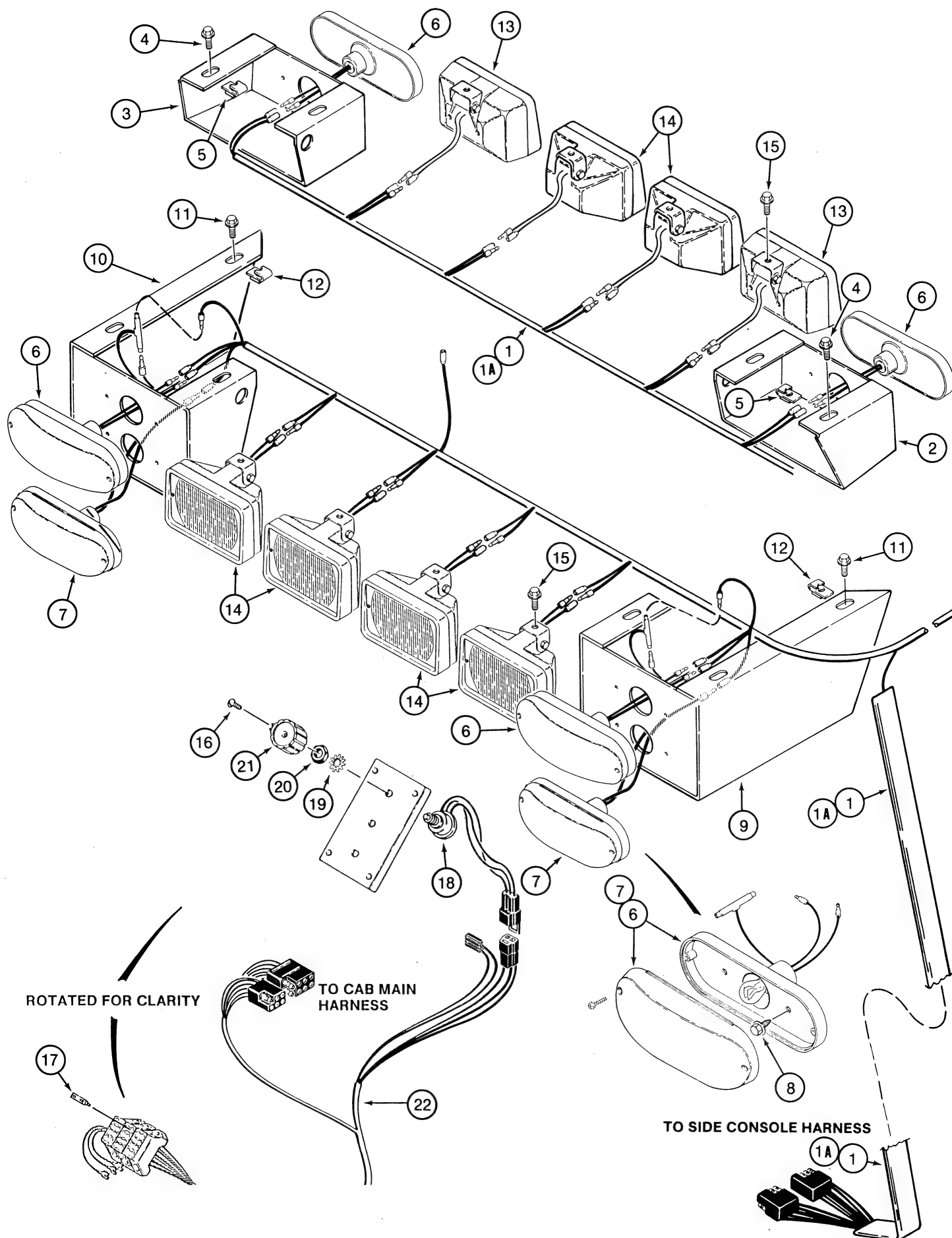


TRACTOR LAMP ELECTRICAL CIRCUIT***WITH CAB****CAB MODELS WITH PLASTIC ROOF CAP
PRIOR TO CAB SERIAL NUMBER JAB0023786**

REF.	PART NO.	DESCRIPTION	REQD.
1	R54411	LAMP ASSEMBLY - front driving, parts list page 4-41	2
2	R54412	LAMP ASSEMBLY - rear flood (outer) and optional front and rear work lamps (center), parts list page 4-41	2-6
3	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch, used with Hobbs (SW) lamps	4-8
3A	895-11010	WASHER - flat, 11 x 21 x 2 mm, used with ABL lamps	4-8
4	131-203	NUT - light hex, self-locking, 3/8 inch NC, used with Hobbs (SW) lamps	4-8
4A	832-10410	NUT - hex, self-locking, 10 mm - 1.5, used with ABL lamps	4-8
4B	131-415	NUT - push, hex, bolt retainer, 3/8 inch NC, used in addition to flat washer and nut on some models	4-8
5	92259C1	LAMP ASSEMBLY - flasher and turn signal, front of cab only, parts list page 4-45	2
6	92258C1	LAMP ASSEMBLY - flasher and turn signal, rear of cab only, parts list page 4-45	2
7	92260C1	LAMP ASSEMBLY - stop and tail lamp, parts list page 4-45	2
8	169-170	SCREW - machine, Fillister head, No. 10 NC x 2 inch	12
9	REF	HARNESS - cab, main, see page 9-141 for harness options and control panel	1
10	R53636	HARNESS - rear lamp, attaches to main cab harness	1
11	REF	HARNESS - instrument, side console, see page 4-27 for harness options	1
	D141394	SWITCH ASSEMBLY - four-position, separate switching of optional front and rear work lamps, with octagonal shaft, no longer available, order D151015 switch and D149932 knob, items 18-21	1
12	NSS	SWITCH - optional front and rear work lamps	1
13	193-58	WASHER - external tooth lock, 1/2 inch	1
14	425-118	NUT - hex, 1/2 inch NF	1
15	A141735	KNOB - D141394 optional work lamp switch with octagonal shaft, see page 9-173, item 50, for work lamp symbol decal, if used ...	1
16	470-1088	SCREW - machine, pan head slotted, No. 8 NC x 1/2 inch	1
17	A149802	FUSE - 20 amperes, mounts in fuse holder in side console harness	1
	D151015	SWITCH ASSEMBLY - four-position, separate switching of optional front and rear work lamps, with square shaft	1
18	NSS	SWITCH - optional front and rear work lamps	1
19	493-11052	WASHER - internal-external tooth lock, 1/2 inch	1
20	425-148	NUT - hex, jam, 1/2 inch NC	1
21	D149932	KNOB - D151015 optional work lamp switch with square shaft, if used	1

NOTE: See front console harness and connections on page 4-25, for front and rear lamp and turn signal and flasher switches.

***NOTE:** Also see page 4-37B for tractor lamp electrical circuit.

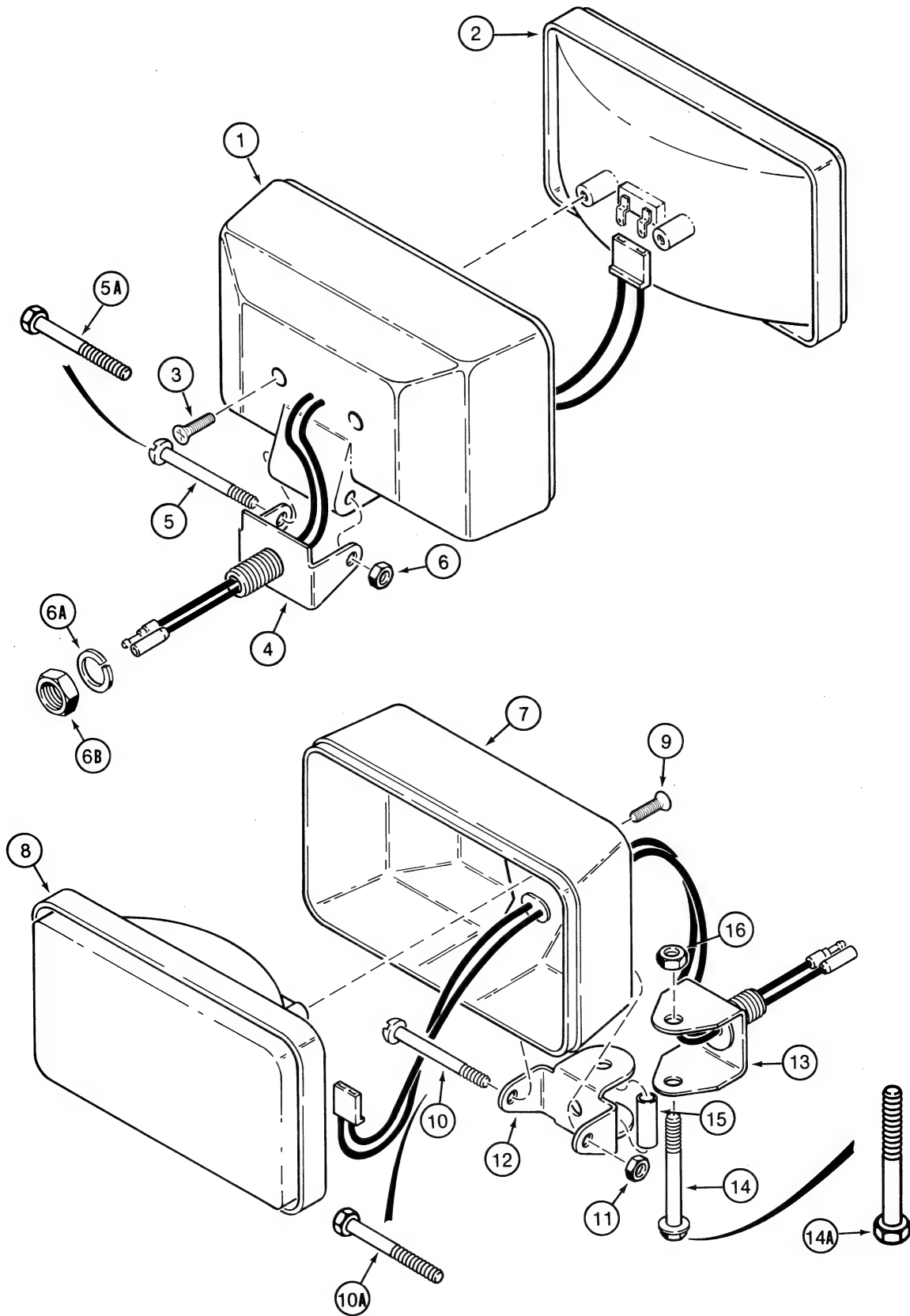


TRACTOR LAMP ELECTRICAL CIRCUIT***WITH CAB****CAB MODELS WITHOUT PLASTIC ROOF CAP
CAB SERIAL NUMBER AJB0023786 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQD.
1	108961A1	HARNESS - cab, main, with tapered rubber grommets, no longer available, order item 1A, 133526A1, harness and (4) item 23, 353-498, bushings	1
1A	133526A1	HARNESS - cab, main, without tapered rubber grommets, used with (4) item 23, 353-498 bushings, see page 9-141 for control panel	1
2	108831A1	BRACKET - right-hand front lamp	1
3	108957A1	BRACKET - left-hand front lamp	1
4	409-7612	BOLT - hex flanged, 3/8 NC x 3/4 inch	4
5	131-880	NUT - J-type, 3/8 inch NC	4
6	D135384	LAMP ASSEMBLY - turn signal and flasher, front and rear, amber, parts list page 4-43	4
7	D121152	LAMP ASSEMBLY - stop and tail, rear, red, parts list page 4-43	2
8	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch	12
9	108834A1	BRACKET - right-hand rear lamp	1
10	108959A1	BRACKET - left-hand rear lamp	1
11	409-7612	BOLT - hex flange, 3/8 NC x 3/4 inch	6
12	131-880	NUT - J-type, 3/8 inch NC	6
13	109080A1	LAMP ASSEMBLY - front driving, outer, parts list page 4-41B	2
14	109081A1	LAMP ASSEMBLY - front center and rear flood, parts list page 4-41B	6
15	409-768	BOLT - hex flange, 3/8 NC x 1/2 inch	8
16	470-1088	SCREW - machine, pan head slotted, No. 8 NC x 1/2 inch	1
17	A149802	FUSE - 20 amperes, mounts in fuse holder in side console harness....	1
	D151015	SWITCH ASSEMBLY - four-position, separate switching of optional front and rear work lamps, with square shaft	1
18	NSS	SWITCH - optional front and rear work lamps	1
19	493-11052	WASHER - internal-external tooth lock, 1/2 inch	1
20	425-148	NUT - hex, jam, 1/2 inch NC	1
21	D149932	KNOB - D151015 optional work lamp switch with square shaft, if used	1
22	REF	HARNESS - instrument, side console, see page 4-27 for harness options	1
23	353-498	BUSHING - snap, 11/16 ID, used as a grommet, cab lamp mounting bracket	4

NOTE: See front console harness and connections on page 4-25, for front and rear lamp and turn signal and flasher switches.

***NOTE:** Also see page 4-37 for tractor lamp electrical circuit.



CANOPY TRACTOR LAMPS

FRONT DRIVING, REAR FLOOD, AND OPTIONAL FRONT AND REAR WORK LAMPS

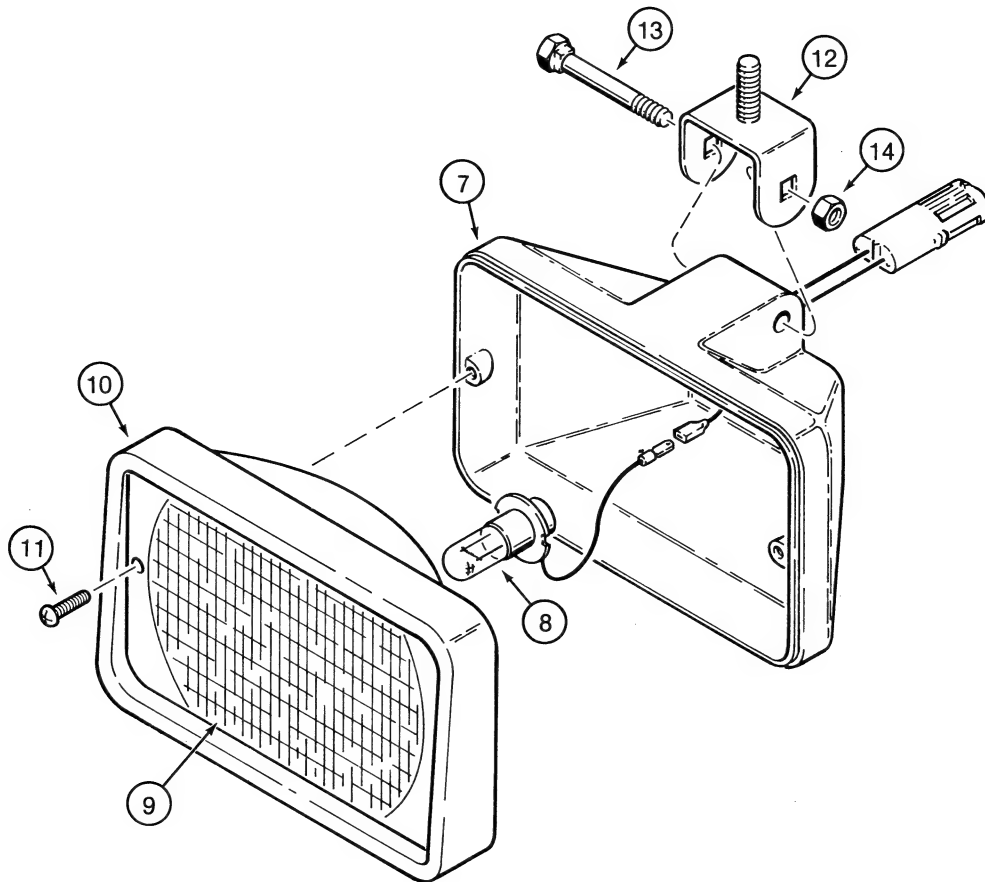
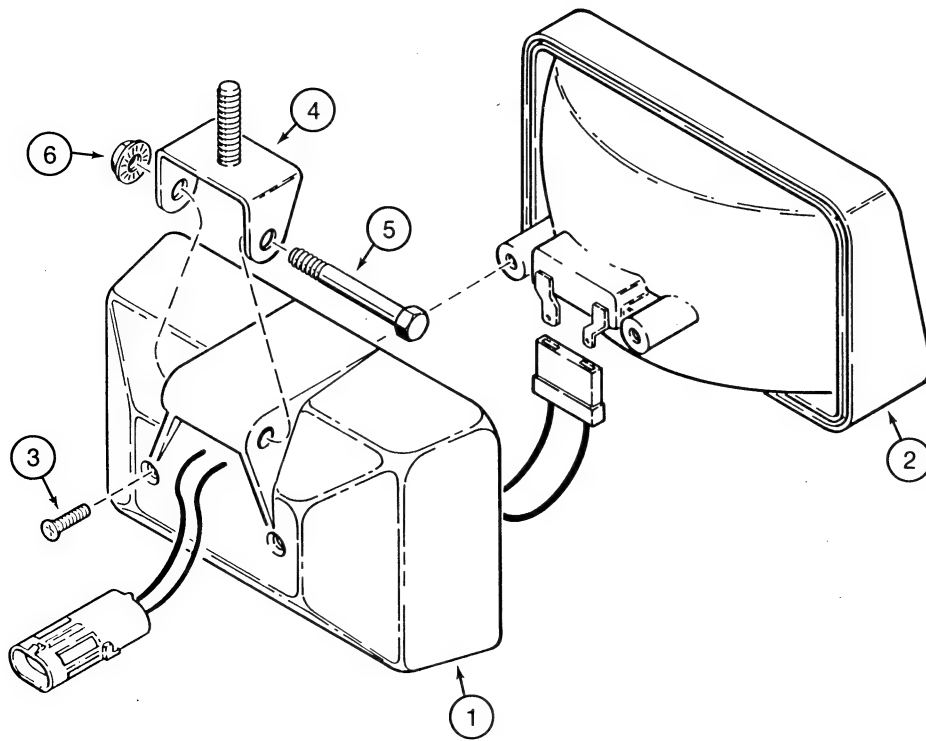
REF. PART NO.	DESCRIPTION	REQ'D.
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FRONT DRIVING LAMP ASSEMBLY

	D132681	LAMP ASSEMBLY - front driving	2
1	NSS	HOUSING - lamp.....	1
2	91946C1	BULB - sealed beam.....	1
3	273-10510	SCREW - self-tapping, flat slotted, No. 10-16 x 5/8 inch.....	2
4	N14284	BRACKET - lamp.....	1
5	182-211	SCREW - machine, pan head slotted, 1/4 NC x 2 inch, housing to bracket, production.....	1
5A	413-432	BOLT - hex, 1/4 NC x 2 inch, service.....	1
6	231-1444	NUT - hex, self-locking, 1/4 inch NC (replaces 131-71)	1
6A	492-11050	WASHER - lock, 1/2 inch	1
6B	425-108	NUT - hex, 1/2 inch NC.....	1

REAR FLOOD LAMP ASSEMBLY AND OPTIONAL FRONT AND REAR WORK LAMPS

	D132682	LAMP ASSEMBLY - rear flood (outer) and optional front and rear work lamps	2-6
7	NSS	HOUSING - lamp.....	1
8	91947C1	BULB - sealed beam.....	1
9	273-10510	SCREW - self-tapping, flat slotted, No. 10-16 x 5/8 inch.....	2
10	182-211	SCREW - machine, pan head slotted, 1/4 NC x 2 inch, housing to bracket, production.....	1
10A	413-432	BOLT - hex, 1/4 NC x 2 inch, service.....	1
11	231-1444	NUT - hex, self-locking, 1/4 inch NC (replaces 131-71)	1
12	N14285	BRACKET - mounting, lamp	1
13	A52216	BRACKET - mounting, lamp, includes stud.....	1
14	413-536	BOLT - hex flange, self-locking, 5/16 NC x 2-1/4 inch, black, special, production.....	1
14A	413-536	BOLT - hex, 5/16 NC x 2-1/4 inch, service.....	1
15	A52219	SPACER - bracket	1
16	231-1445	NUT - hex, self-locking, 5/16 inch NC (replaces 131-69)	1



4-41

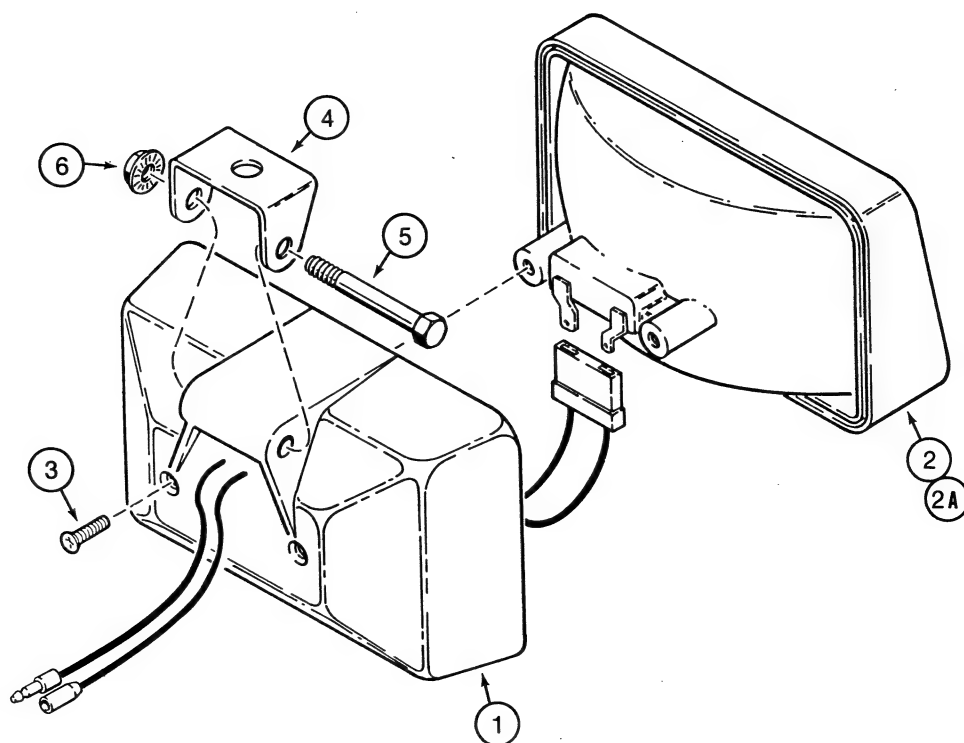
580 Super K Construction King Loader Backhoe
***CAB TRACTOR LAMPS - PLASTIC CONNECTORS**
FRONT DRIVING, REAR FLOOD, AND
OPTIONAL FRONT AND REAR WORK LAMPS
PRIOR TO CAB SERIAL NUMBER JAB0023786

REF.	PART NO.	DESCRIPTION	REQD.
FRONT DRIVING LAMP ASSEMBLY			
	R54411	LAMP ASSEMBLY - front driving, may receive either Hobbs or ABL complete lamp assembly, see below for service.....	2
	A187666	LAMP ASSEMBLY - Hobbs, with glare guard, with 3/8 inch mounting stud, order R54411	2
1	NSS	HOUSING - lamp.....	1
2	A187912	LAMP - sealed beam, Hobbs lamp, designated on lens as SW	1
3	273-5048	SCREW - self-tapping, flat slotted, No. 8-18 x 1/2 inch	2
4	A187914	BRACKET - mounting, lamp.....	1
5	413-432	BOLT - hex, 1/4 NC x 2 inch, housing to bracket	1
6	231-5144	NUT - hex, self-locking, 3/8 inch NC	1
	92264C1	LAMP ASSEMBLY - ABL, without glare guard, with 10 mm mounting stud, order R54411	2
7	NSS	HOUSING - lamp.....	1
8	1312210C1	BULB - lamp	1
9	1983290C1	LENS - lamp	1
10	1964806C1	RETAINER - lens.....	1
11	187-1916	SCREW - self-tapping, pan Phillips, No. 8-16 x 3/4 inch	2
12	A187915	BRACKET - mounting, lamp.....	1
13	814-8045	BOLT - shoulder, hex, 8 mm x 45 mm, housing to bracket.....	1
14	832-41308	NUT - hex, self-locking, 8 mm, class 10.9.....	1

REAR FLOOD LAMP ASSEMBLY AND
OPTIONAL FRONT AND REAR WORK LAMPS

	R54412	LAMP ASSEMBLY - rear flood and optional front and rear work lamps, may receive, either Hobbs or ABL complete lamp assembly, see below for service	2-6
	A187665	LAMP ASSEMBLY - Hobbs, with glare guard, with 3/8 inch mounting stud, order R54412	2-6
1	NSS	HOUSING - lamp.....	1
2	A187911	LAMP - sealed beam, Hobbs lamp, designated on lens as SW	1
3	273-5048	SCREW - self-tapping, flat slotted, No. 8-18 x 1/2 inch	2
4	A187914	BRACKET - mounting, lamp.....	1
5	413-432	BOLT - hex, 1/4 NC x 2 inch, housing to bracket	1
6	231-5144	NUT - hex, self-locking, 3/8 inch NC	1
	92263C1	LAMP ASSEMBLY - ABL, without glare guard, with 10 mm mounting stud, order R54412.....	2-6
7	NSS	HOUSING - lamp.....	1
8	1312210C1	BULB - lamp	1
9	1964807C1	LENS - reflector, lamp	1
10	1964806C1	RETAINER - lens.....	1
11	187-1916	SCREW - self-tapping, pan Phillips, No. 8-16 x 3/4 inch	2
12	A187915	BRACKET - mounting, lamp.....	1
13	814-8045	BOLT - shoulder, hex, 8 mm x 45 mm, housing to bracket.....	1
14	832-41308	NUT - hex, self-locking, 8 mm, class 10.9.....	1

***NOTE:** Also see page 4-41B for cab tractor lamps.

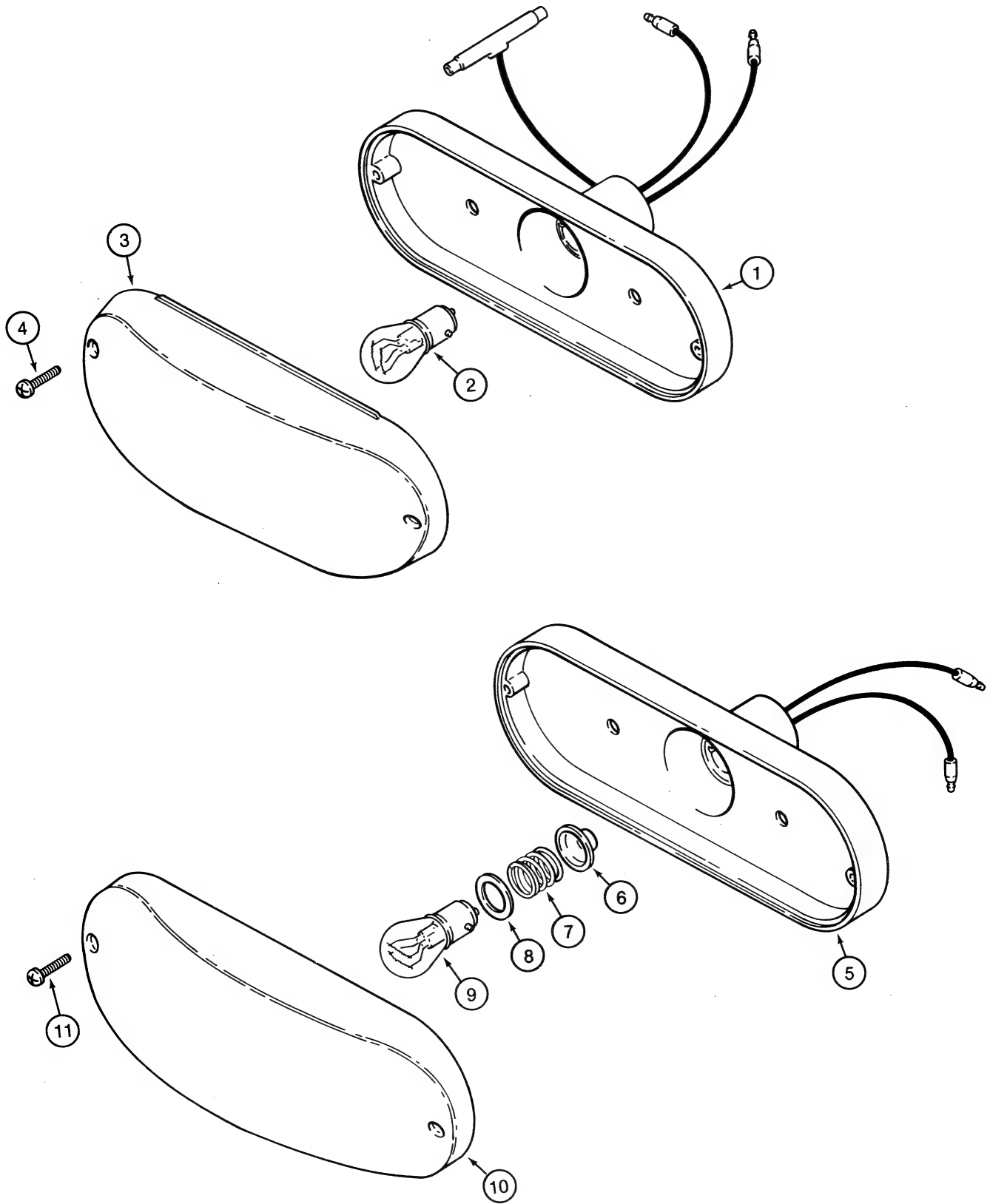


580 Super K Construction King Loader Backhoe
***CAB TRACTOR LAMPS - BULLET CONNECTOR**
 FRONT DRIVING, REAR FLOOD, AND
 FRONT AND REAR WORK LAMPS
 CAB SERIAL NUMBER JAB0023786 AND AFTER

4-41B

REF.	PART NO.	DESCRIPTION	REQ'D.
	109080A1	LAMP ASSEMBLY - front driving	2
	109081A1	LAMP ASSEMBLY - rear flood and front and rear work lamps	6
1	NSS	HOUSING - lamp.....	1
2	A187912	LAMP - sealed beam, 109080A1 lamp.....	1
2A	A187911	LAMP - sealed beam, 109081A1 lamp.....	1
3	273-5048	SCREW - self-tapping, flat slotted, No. 8-18 x 1/2 inch.....	2
4	A187914	BRACKET - mounting, lamp	1
5	413-432	BOLT - hex, 1/4 NC x 2 inch.....	1
6	231-5144	NUT - hex serrated flange, 1/4 inch NC	1

*NOTE: Also see page 4-41 for cab tractor lamps.

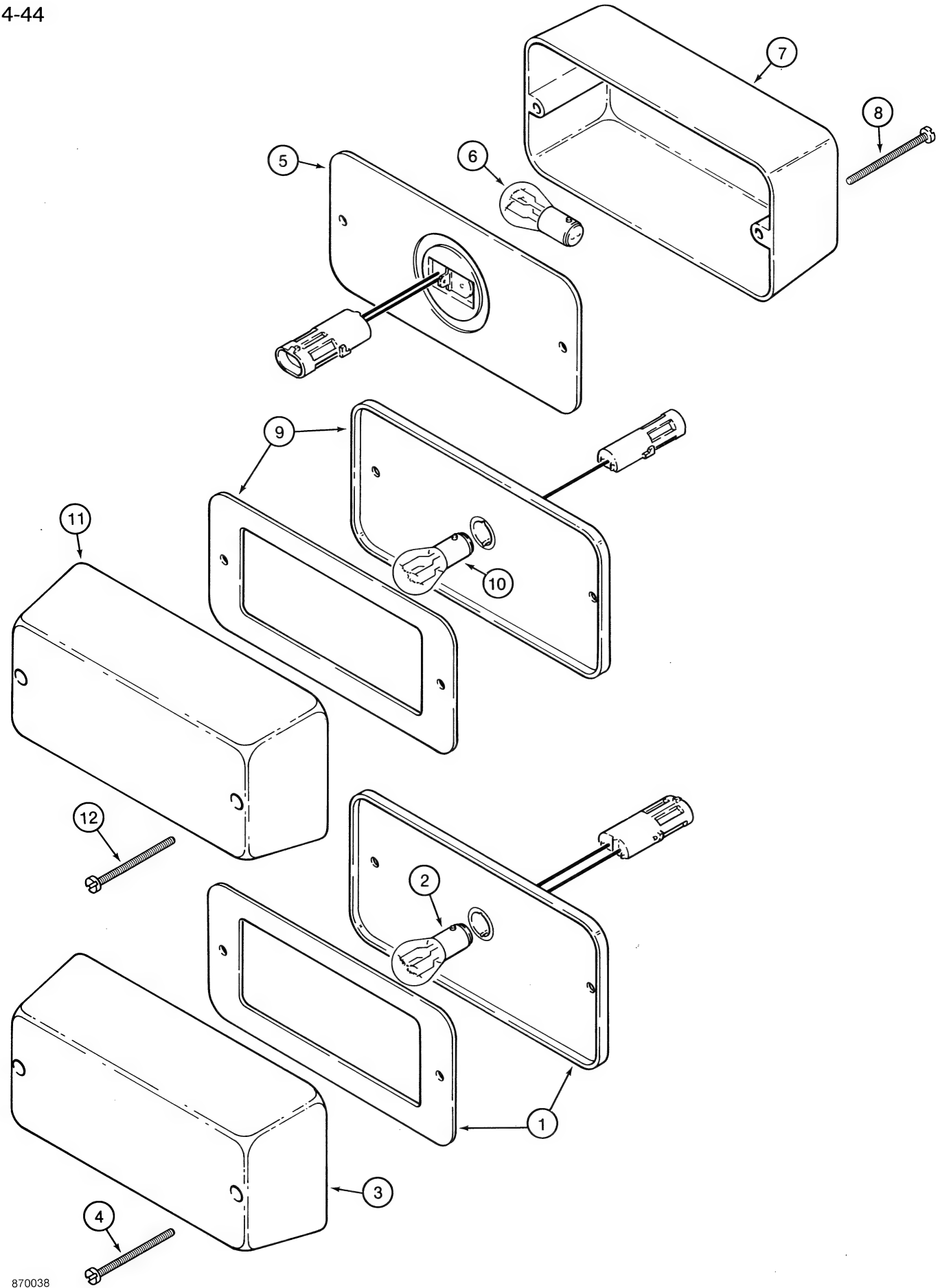


CANOPY TRACTOR LAMPS

STOP AND TAIL LAMPS AND

TURN SIGNAL AND FLASHER LAMPS

REF.	PART NO.	DESCRIPTION	REQ'D.
STOP AND TAIL LAMP			
	D121152	LAMP ASSEMBLY - stop and tail, with red lens	2
1	NSS	BODY - lamp, complete	1
2	T34857	BULB - lamp, No. 1157, stop and tail	1
3	N6836	LENS - red, lamp.....	1
4	261-14310	SCREW - self-tapping, pan head Phillips, No. 6 NC x 5/8 inch	2
TURN SIGNAL AND FLASHER			
	D135384	LAMP ASSEMBLY - turn signal and flasher, with amber lens	4
5	NSS	BODY AND SOCKET - lamp	1
6	NSS	SEAL - rubber, spring retaining	1
7	NSS	SPRING - lamp.....	1
8	NSS	INSULATOR - lamp	1
9	A41264	BULB - lamp, 12 volt, No. 1156, turn signal and flasher	1
10	N14283	LENS - amber, lamp	1
11	261-14310	SCREW - self-tapping, pan head Phillips, No. 6 NC x 5/8 inch	2



CAB TRACTOR LAMPS **STOP AND TAIL LAMPS AND** **TURN SIGNAL AND FLASHER LAMPS**

REF.	PART NO.	DESCRIPTION	REQD.
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STOP AND TAIL LAMP

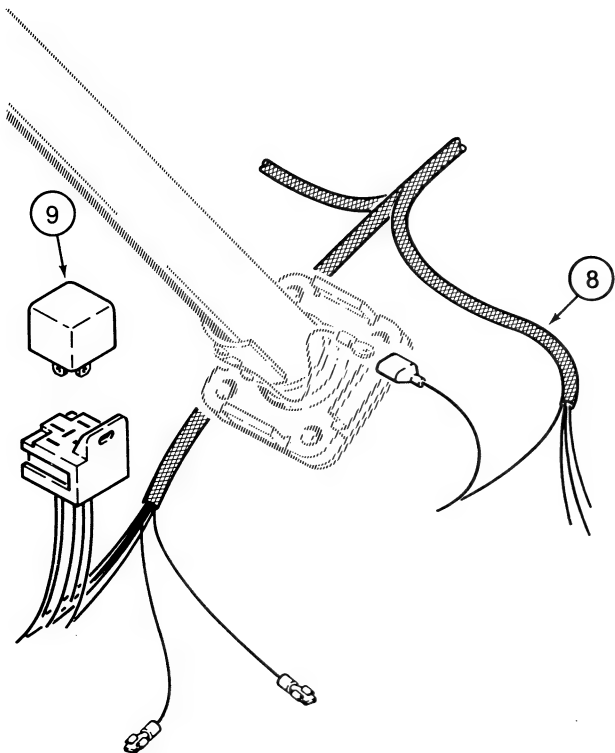
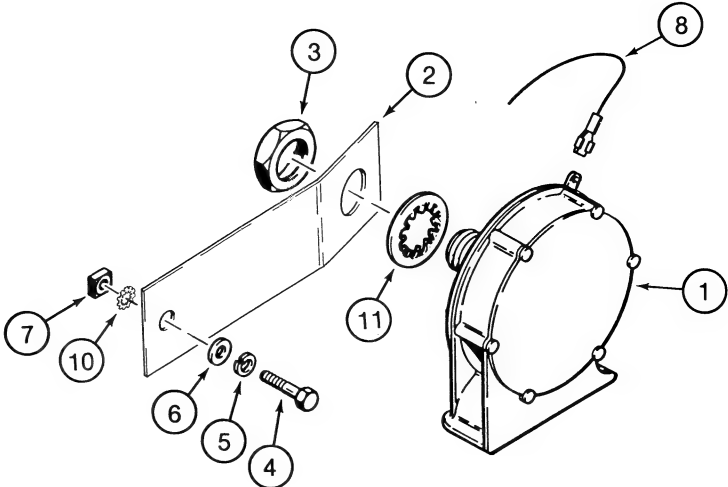
	92260C1	LAMP ASSEMBLY - stop and tail, with red lens	2
1	NSS	BODY - lamp, complete	1
2	T34857	BULB - lamp, No. 1157, stop and tail	1
3	216045C1	LENS - red, lamp	1
4	132080	SCREW - machine, Fillister head, No. 10 NC x 2 inch, lens retaining, replaced by item 4A, 261-54536, screw	2
4A	261-54536	SCREW - pan head machine, No. 10-24 NC x 2-1/4 inch, if used, not shown	2

TURN SIGNAL AND FLASHER - FRONT

	92259C1	LAMP ASSEMBLY - turn signal and flasher, front, with amber lens	2
5	NSS	BODY AND SOCKET - lamp, complete	1
6	T34857	BULB - lamp, No. 1157, turn signal and flasher, front	1
7	130883C1	LENS - amber, lamp	1
8	132080	SCREW - machine, Fillister head, No. 10 NC x 2 inch, lens retaining	2

TURN SIGNAL AND FLASHER - REAR

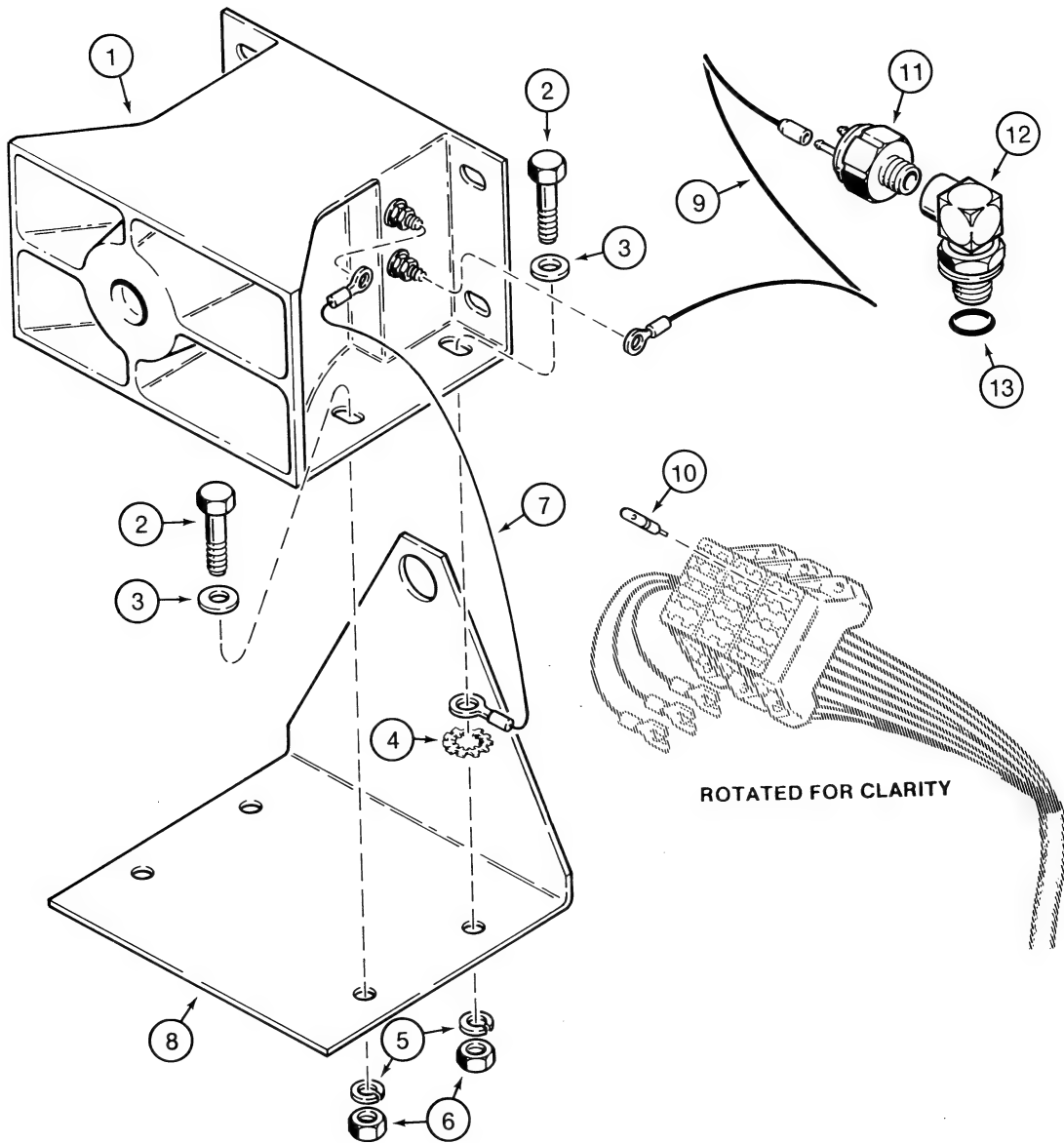
	92258C1	LAMP ASSEMBLY - turn signal and flasher, rear, with amber lens	2
9	NSS	BODY AND SOCKET - lamp, complete	1
10	A41264	BULB - lamp, 12 volt, No. 1156, turn signal and flasher, rear, (replaces 9417866)	1
11	130883C1	LENS - amber, lamp	1
12	132080	SCREW - machine, Fillister head, No. 10 NC x 2 inch, lens retaining	2



HORN

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D123205	HORN - 12 volt.....	1
2	D147455	BRACKET - horn mounting.....	1
3	L30866	NUT - hex, 7/8 NC, special.....	1
4	413-512	BOLT - hex, 5/16 NC x 3/4 inch.....	1
5	492-11031	WASHER - lock, 5/16 inch.....	1
6	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch.....	1
7	224-2245	NUT - square, 5/16 inch NC.....	1
8	REF	HARNESS - instrument, front console, see page 4-25 for front harness options and mounting.....	1
9	D128310	RELAY - horn, attaches to front console instrument harness.....	1
10	493-11033	WASHER - internal-external tooth lock, 5/16 inch.....	1
11	493-21091	WASHER - lock, internal tooth, 7/8 inch.....	1

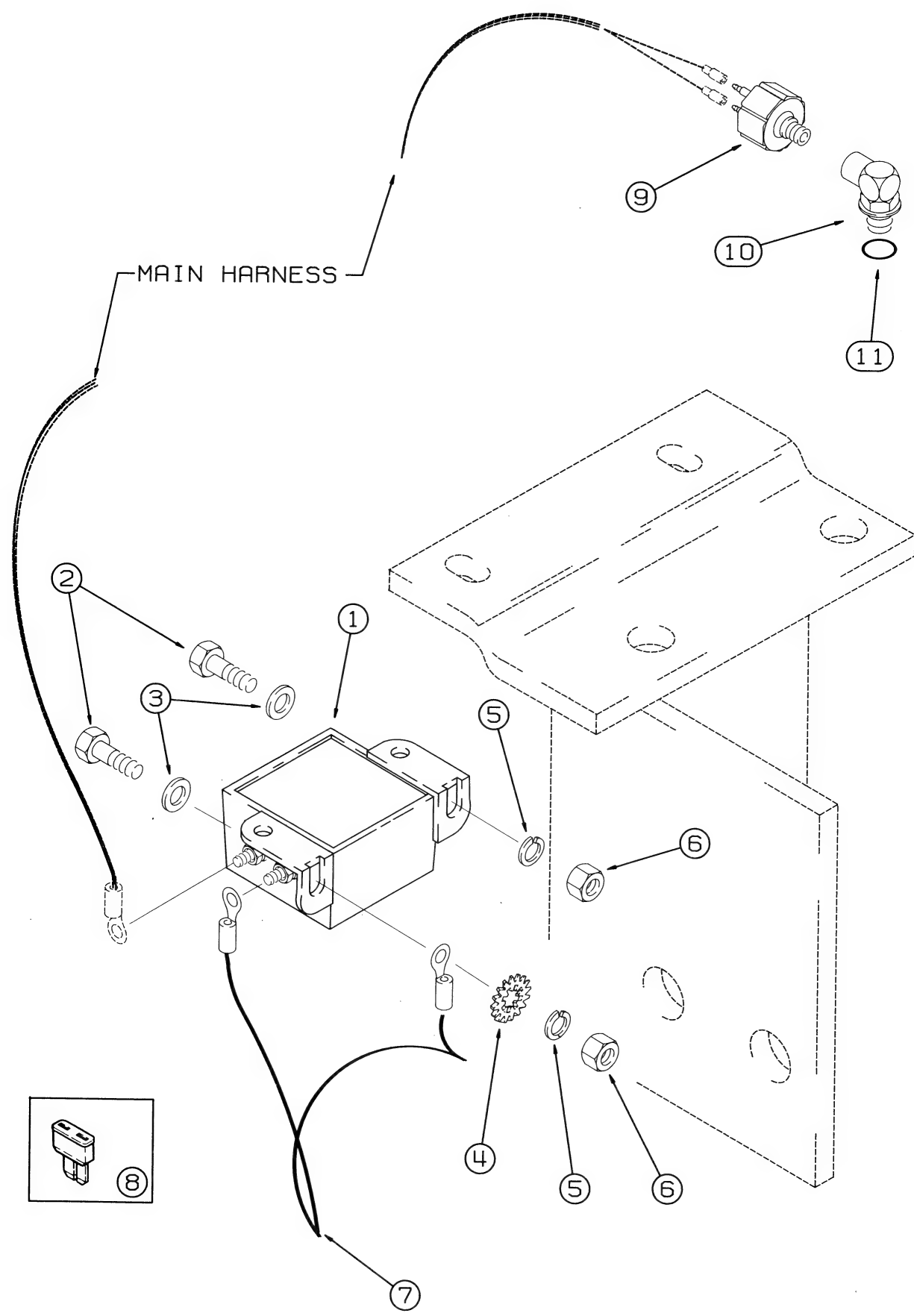
NOTE: See page 4-25 for turn signal and horn lever.



BACKUP ALARM

**MODELS WITHOUT PTO
PRIOR TO P.I.N. JJG0168600**

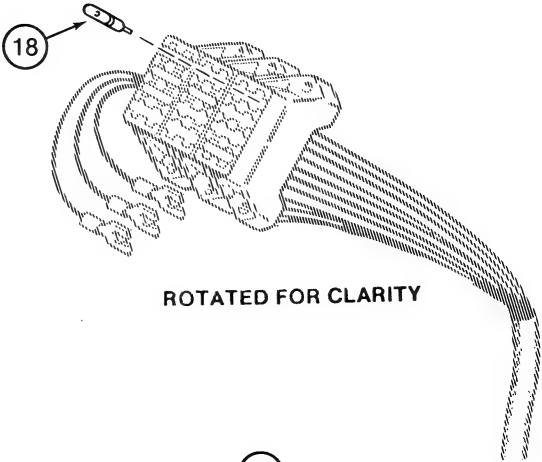
REF.	PART NO.	DESCRIPTION	REQD.
1	D121972	ALARM - backup.....	1
2	413-516	BOLT - hex, 5/16 NC x 1 inch	4
3	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	4
4	493-11039	WASHER - internal-external tooth lock, 3/8 inch.....	1
5	492-11031	WASHER - lock, 5/16 inch	4
6	425-105	NUT - hex, 5/16 inch NC	4
7	D70125	WIRE - ground.....	1
8	D145812	BRACKET - backup alarm mounting, mounts to transaxle with existing bolt	1
9	D144517	WIRE - backup alarm, prior to P.I.N. JJG0167019, if used	1
10	A149798	FUSE - 5 ampere (tan), at fuse block	1
11	D139904	SWITCH - pressure, backup alarm.....	1
12	D144477	ELBOW - 90 degree, at transaxle.....	1
13	237-6006	O-RING - 15/32 ID x 5/64 inch wide.....	1



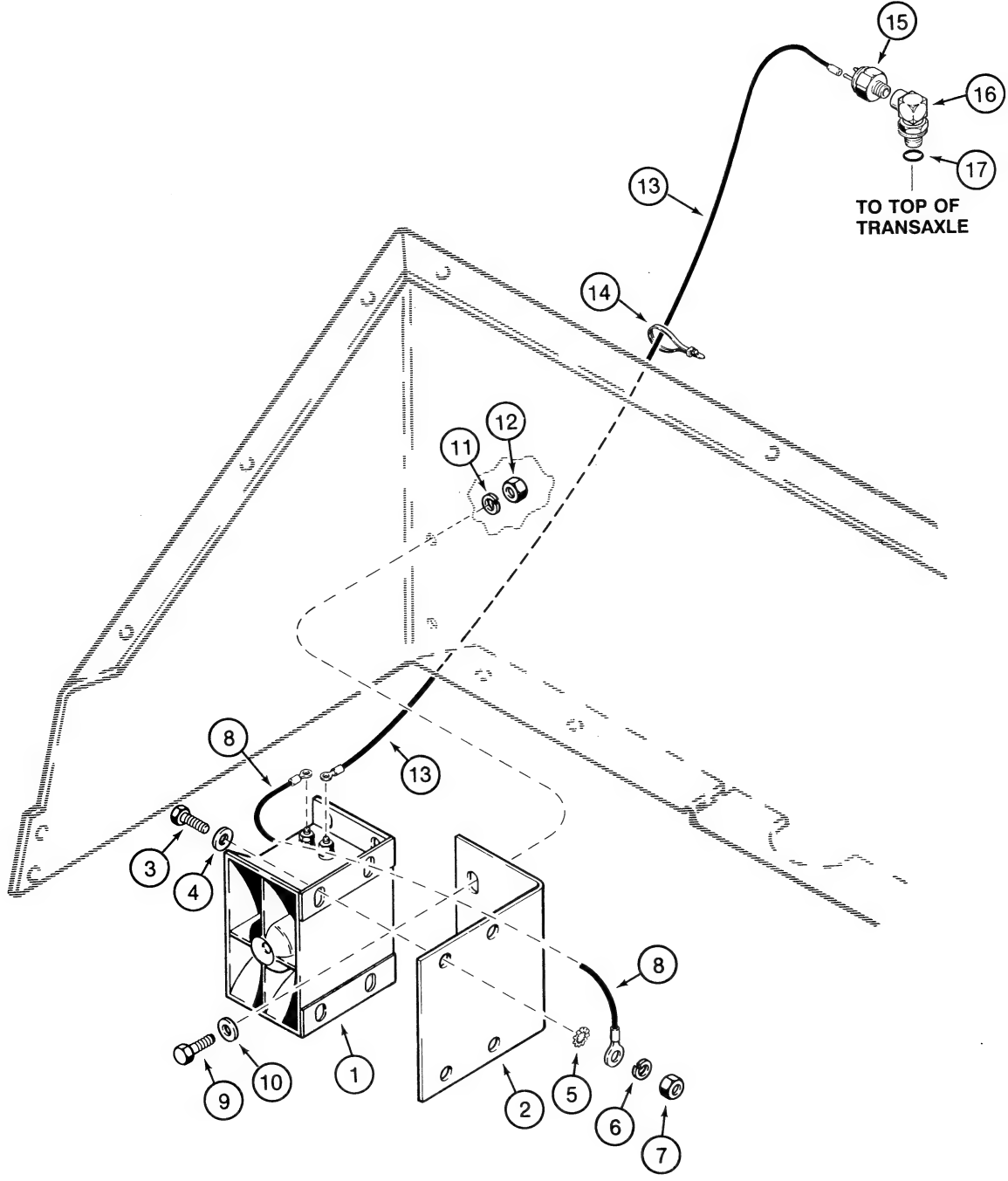
BACKUP ALARM

MODELS WITHOUT PTO
P.I.N. JJG0168600 AND AFTER

REF.	PART NO.	DESCRIPTION	REQD.
1	109511A1	ALARM - backup, mounts to 109689A1, backhoe valve mounting bracket, page 9-21.....	1
2	413-516	BOLT - hex, 5/16 NC x 1 inch	2
3	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	2
4	493-11039	WASHER - internal-external tooth lock, 3/8 inch.....	1
5	492-11031	WASHER - lock, 5/16 inch.....	2
6	425-105	NUT - hex, 5/16 inch NC	2
7	D70125	WIRE - ground.....	1
8	A149798	FUSE - 5 ampere (tan), at fuse block	1
9	D139904	SWITCH - pressure, backup alarm.....	1
10	D144477	ELBOW - 90 degree, at transaxle.....	1
11	237-6006	O-RING - 15/32 ID x 5/64 inch wide.....	1

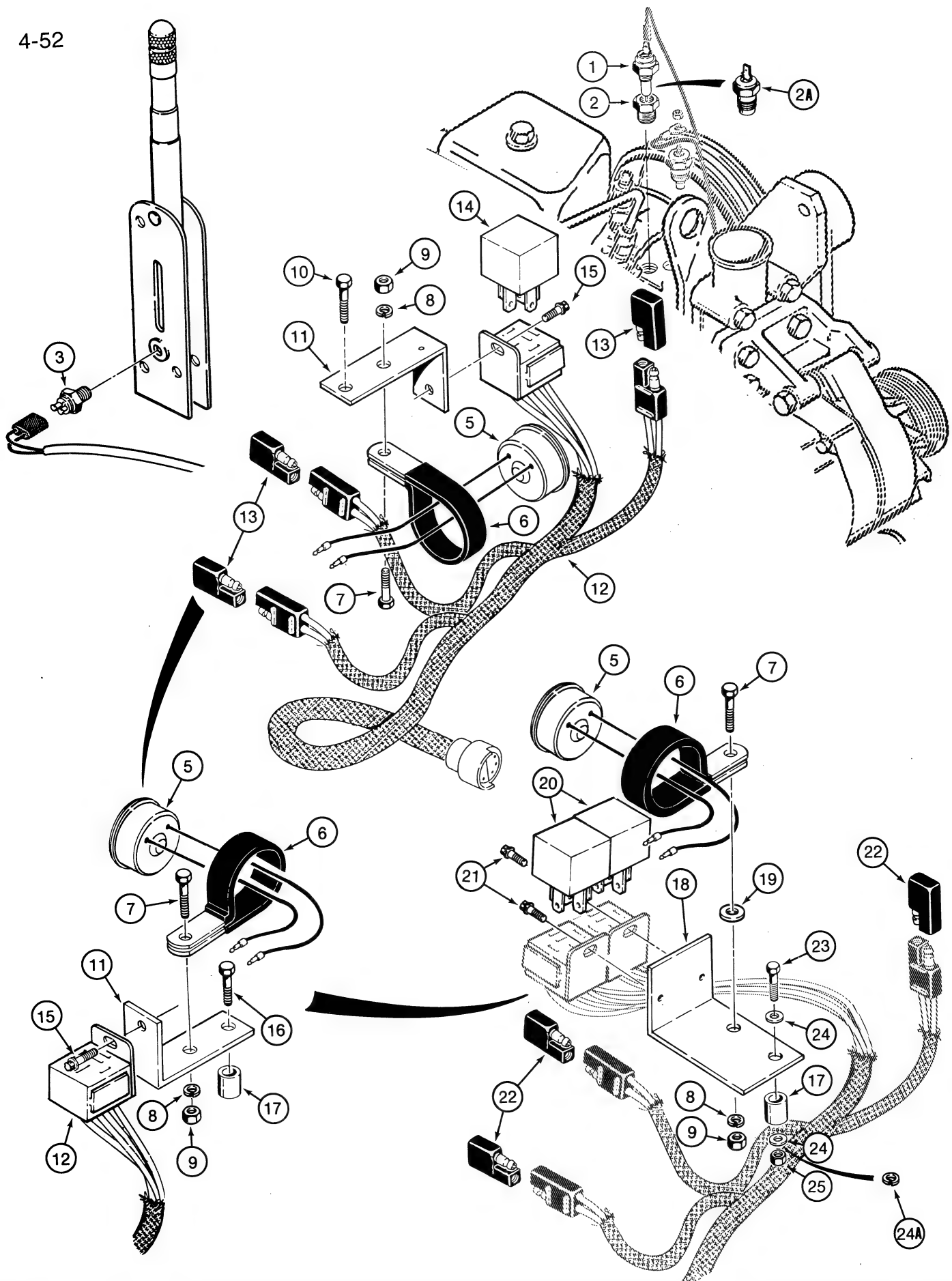


ROTATED FOR CLARITY



BACKUP ALARM**MODELS WITH PTO**

REF.	PART NO.	DESCRIPTION	REQD.
1	D121972	ALARM - backup, electric, rectangular type.....	1
2	D75815	BRACKET - backup alarm, mounts to closure panel.....	1
3	413-516	BOLT - hex, 5/16 NC x 1 inch	4
4	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	4
5	493-11033	WASHER - internal-external tooth lock, 5/16 inch.....	1
6	492-11031	WASHER - lock, 5/16 inch.....	4
7	425-105	NUT - hex, 5/16 inch NC	4
8	D70125	WIRE - alarm ground	1
9	413-616	BOLT - hex, 3/8 NC x 1 inch	2
10	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	2
11	492-11038	WASHER - lock, 3/8 inch.....	2
12	425-106	NUT - hex, 3/8 inch NC	2
13	D131326	WIRE - switch to alarm	1
14	L18337	STRAP - nylon retaining.....	1
15	D139904	SWITCH - pressure	1
16	D144477	ELBOW - street, 90 degree.....	1
17	237-6006	O-RING - 15/32 ID x 5/64 inch wide.....	1
18	A149798	FUSE - 5 ampere, at fuse block.....	1

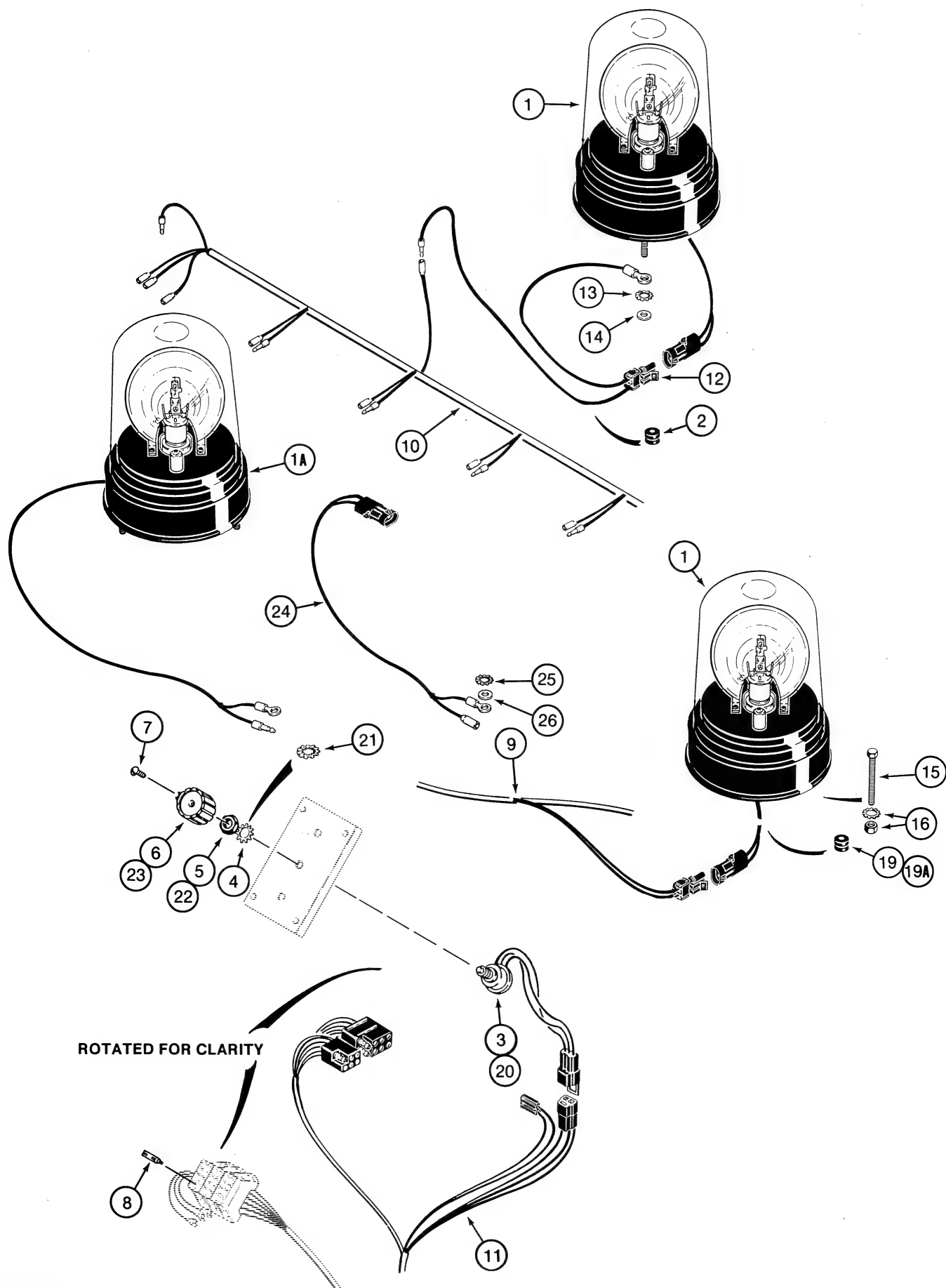


580 Super K Construction King Loader Backhoe
SPECIAL PARTS USED ON MODELS WITH
AUDIBLE WARNING ALARM FOR WATER TEMPERATURE,
ENGINE OIL PRESSURE, AND PARKING BRAKE

4-53

REF.	PART NO.	DESCRIPTION	REQD.
1	D70163	SWITCH - engine coolant temperature, replaces existing engine block plug, used with 221-1088 reducer, no longer used, order 1345488C2 switch, item 2A and remove 221-1088 reducer	1
2	221-1088	REDUCER - pipe, 1/2 male x 1/4 inch female, used with D70163 switch, if used	1
2A	1345488C2	SWITCH - 225 degree, engine coolant temperature, replaces items 1 and 2 on some models (replaces 1345488C1 235 degree switch) 1	1
3	D136514	SWITCH - parking brake, mounts in parking brake lever on page 7-13 and attaches to front instrument panel harness	1
5	D137468	ALARM - warning, for engine water temperature, engine oil pressure, and parking brake	1
6	D120561	CLAMP - warning alarm mounting to bracket.....	1
7	413-612	BOLT - hex, 3/8 NC x 3/4 inch, alarm clamp to bracket	1
8	492-11038	WASHER - lock, 3/8 inch.....	1
9	425-106	NUT - hex, 3/8 inch NC	1
10	413-514	BOLT - hex, 5/16 NC x 7/8 inch, if used	1
	D103387	KIT - service, audible warning alarm, includes instructions, if used (order items 11-15 and 8-76100 instruction sheet)	1
11	D143873	BRACKET - alarm mounting, uses existing mounting bolt, mounts under side console.....	1
12	D146664	WIRE - alarm, uses three diodes, attaches to D147040 side instrument console harness on page 4-27, prior to P.I.N. JJG0167019, if used.....	1
13	L71879	DIODE - isolation.....	3
14	D128310	RELAY - alarm	1
15	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch, relay mounting.....	1-2
16	413-624	BOLT - hex, 5/16 NC x 1-1/2 inch, if used.....	1
17	D146035	SPACER - bracket, if used (replaces D76209)	1
18	103393A1	BRACKET - alarm mounting, mounts under side console, if used	1
19	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch, if used	1
20	D128310	RELAY - alarm, attaches to 101597A1 side console harness.....	2
21	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch, relay mounting.....	2
22	L71879	DIODE - isolation, 101597A1 side console harness, P.I.N. JJG0167019 and after	3
23	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	1
24	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch, if used	2
24A	492-11038	WASHER - lock, 3/8 inch.....	1
25	425-106	NUT - hex, 3/8 inch NC	1

NOTE: See page 4-27 for side instrument console harness.



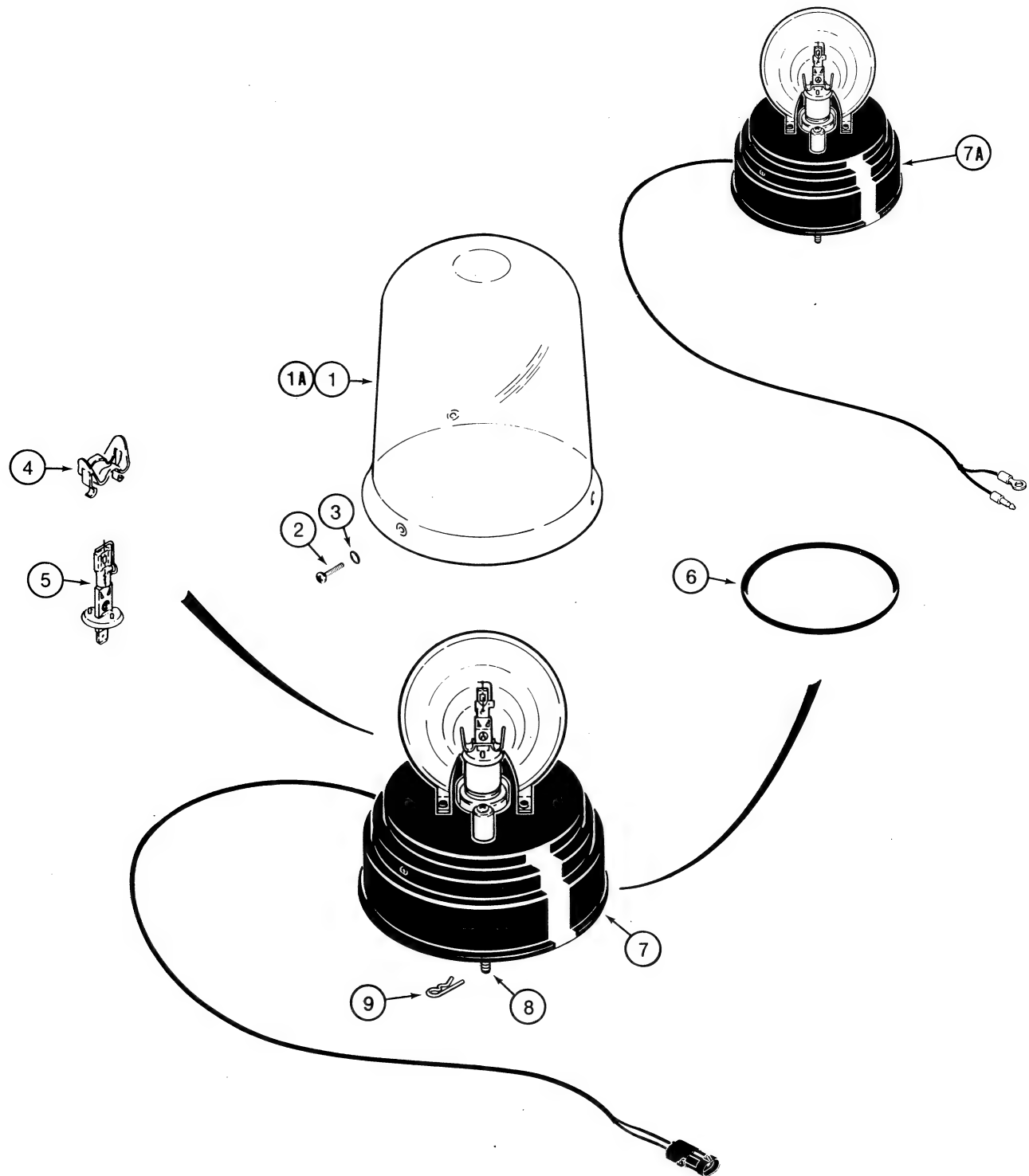
580 Super K Construction King Loader Backhoe

ROTATING BEACON AND CIRCUIT

4-55

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D147114	BEACON ASSEMBLY - rotating, with plastic connector, used on cab or canopy models, parts list page 4-57, no longer available, order 108366A1	1
1A	108366A1	BEACON ASSEMBLY - rotating, with eyelet and bullet connector, cab or canopy models, parts list page 4-57, if used.....	1
2	A23870	GROMMET - rear wire, used on canopy models.....	1
	D138377	SWITCH ASSEMBLY - two position, rotating beacon, with octagonal shaft, no longer available, order 133818A1 switch and D149932 knob, items 20-23	1
3	NSS	SWITCH - rotating beacon	1
4	193-58	WASHER - external tooth lock, 1/2 inch	1
5	425-118	NUT - hex, 1/2 inch NF	1
6	A141735	KNOB - D138377 rotating beacon switch, with octagonal shaft, see page 9-173 for rotating beacon symbol decal, if used	1
7	470-1088	SCREW - machine, pan head slotted, No. 8 NC x 1/2 inch.....	1
8	A149801	FUSE - 15 amperes, light blue, mounts in fuse holder in side instrument console harness.....	1
9	REF	HARNESS - cab models, see page 9-141 for harness options	1
10	D146580	HARNESS - ROPS canopy models	1
11	REF	HARNESS - side console, right-hand, see page 4-27 for harness options.....	1
12	D148584	WIRE - adapting, used on canopy models, if used.....	1
13	193-73	WASHER - internal-external tooth lock, 1/4 inch, ground, used with D148584 wire on canopy models, if used.....	1
14	495-21031	WASHER - flat, 5/16 x 47/64 x 1/16 inch, used with D148584 wire on canopy models, if used.....	1
15	113-75	BOLT - hex, full thread, 1/4 NC x 3 inch, replaces existing beacon studs, used on cab models	3
16	193-1006	NUT - hex, with external tooth lock washer, 1/4 inch NC, used with item 15 bolt on cab models.....	3
19	L77821	GROMMET - rear wire, used on cab models with plastic roof cap	1
19A	A23870	GROMMET - rear wire, used on cab models without plastic roof cap ..	1
	133818A1	SWITCH ASSEMBLY - two position, rotating beacon, with square shaft (replaces D138377, D149893).....	1
20	NSS	SWITCH - rotating beacon	1
21	493-11052	WASHER - internal-external tooth lock, 1/2 inch	1
22	425-148	NUT - hex, jam, 1/2 inch NC.....	1
23	D149932	KNOB - D149893 rotating beacon switch, with square shaft, if used.....	1
24	109202A1	WIRE - adapting, if used.....	1
25	493-11026	WASHER - internal-external tooth lock, 1/4 inch, ground, used with 109202A1 wire, if used.....	1
26	495-21031	WASHER - flat, 5/16 x 47/64 x 1/16 inch, ground, used with 109202A1 wire, if used.....	1

NOTE: See page 9-129 for rotating beacon mounting plate and related hardware used on cab models.



ROTATING BEACON

USED ON CAB OR CANOPY MODELS

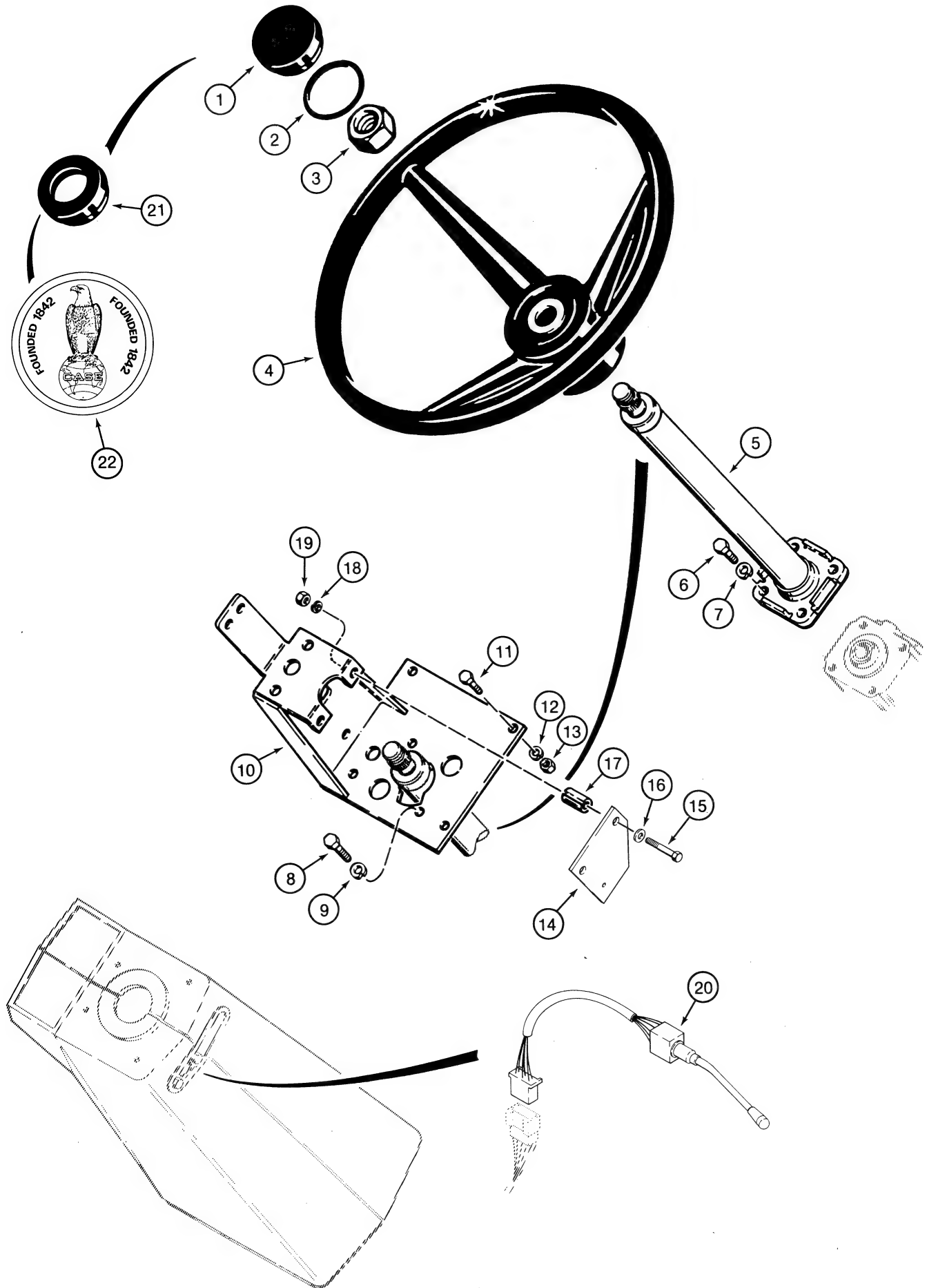
REF.	PART NO.	DESCRIPTION	REQ'D.
	D147114	BEACON ASSEMBLY - rotating, with plastic connector, no longer available, order 108366A1	1
	108366A1	BEACON ASSEMBLY - rotating, with eyelet and bullet connector, if used.....	1
1	A187542	LENS - beacon, amber, if used	1
1A	127158A1	LENS - beacon, blue, if used.....	1
2	168-71	SCREW - drive, round head, No. 8 x 1/2 inch, lens mounting	3
3	238-5005	O-RING - 3/32 ID 1/16 inch wide, lens mounting screw, (replaces S5598 O-ring)	3
4	101531A1	CLIP - bulb	1
5	3217312R1	BULB - halogen, , 12 volt, 55 watt, rotating beacon.....	1
6	A187575	BELT - drive motor, rotating beacon	1
7	NSS	BASE - with drive motor, D147114 rotating beacon	1
7A	NSS	BASE - with drive motor, 108366A1 rotating beacon.....	1
8	614-6020	BOLT - hex, 6 - 1 x 20 mm	3
9	136-54	PIN - hair, 1/4 x 11/16 inch, bolt retaining.....	3

NOTE: For adapting wire, see page 4-55, item 24.

ALPHABETICAL INDEX

STEERING

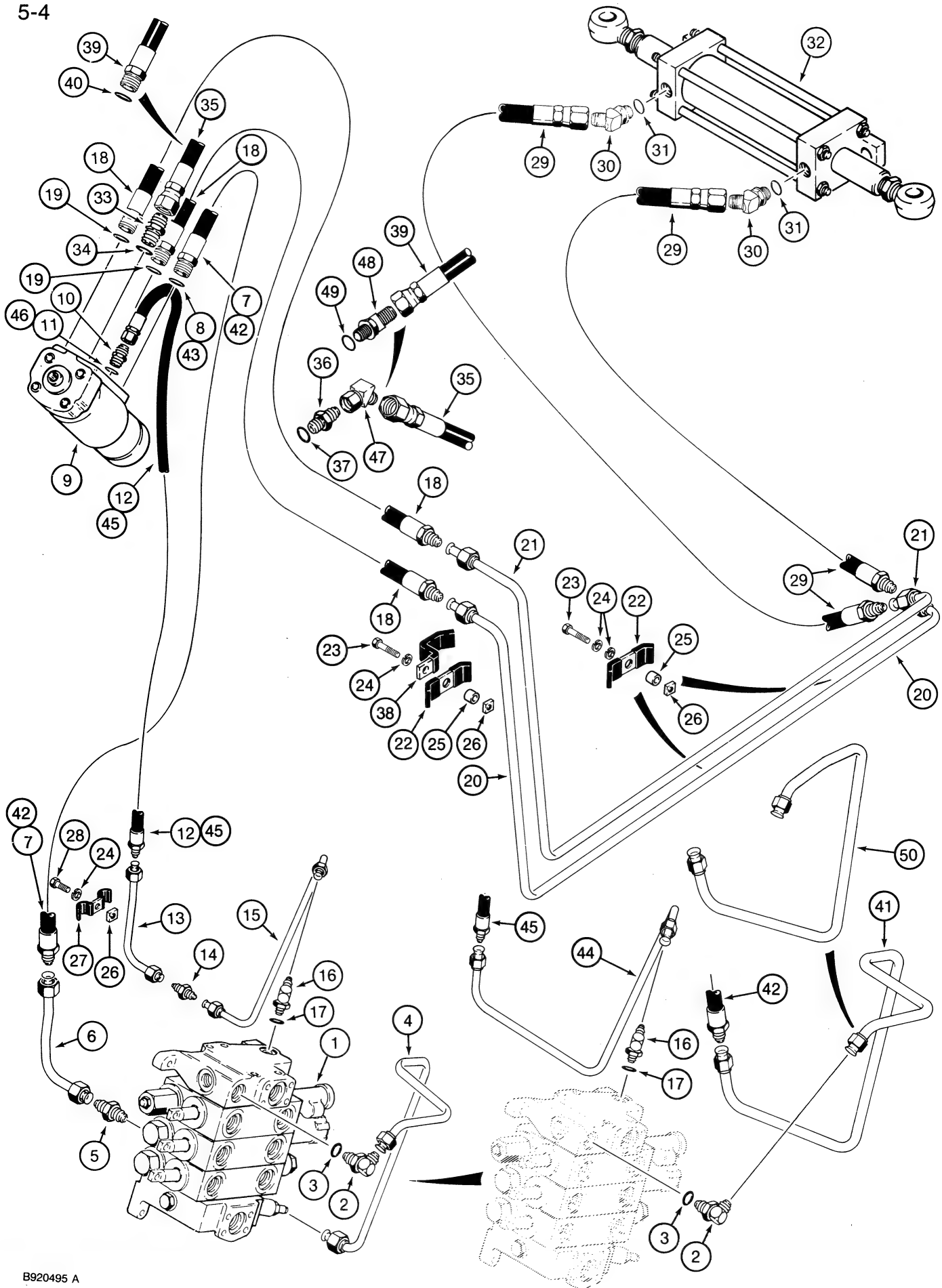
DESCRIPTION	PAGE
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Hub and Bearings.....	5-19
Hydraulic Circuit.....	5-5,5-7
Turn Signal	5-3
Valve - Steering Control	5-11,5-13,5-13B
Wheel - Steering.....	5-3
Wheels and Tires	5-21



580 Super K Construction King Loader Backhoe
STEERING WHEEL, COLUMN, AND TURN SIGNAL

5-3

REF.	PART NO.	DESCRIPTION	REQD.
1	A62210	CAP - steering wheel, no longer available, order items 21 and 22	1
2	238-5227	O-RING - cap (replaces D26115)	1
3	F19646	NUT - lock, special, steering wheel retaining	1
4	A65544	WHEEL - steering, tractor	1
5	REF	COLUMN ASSEMBLY - steering, for correct assembly and components, see page 5-9	1
6	413-612	BOLT - hex, 3/8 NC x 3/4 inch	2
7	492-11038	WASHER - lock, 3/8 inch	2
8	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	2
9	492-11038	WASHER - lock, 3/8 inch	2
10	D134527	BRACKET - steering column	1
11	413-512	BOLT - hex, 5/16 NC x 3/4 inch	4
12	492-11031	WASHER - lock, 5/16 inch	4
13	425-105	NUT - hex, 5/16 inch NC	4
14	D147686	PLATE - mounting, turn signal flasher socket	1
15	413-536	BOLT - hex, 5/16 NC x 2-1/4 inch	2
16	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	2
17	D121476	SPACER - bracket	2
18	492-11031	WASHER - lock, 5/16 inch	2
19	425-105	NUT - hex, 5/16 inch NC	2
20	E46938	LEVER - switch, turn signal and horn, attaches to front console harness, see page 4-25 for harness options	1
21	114882A1	CAP - steering wheel, used with item 22	1
22	A180055	INSERT - medallion, Case globe and eagle	1



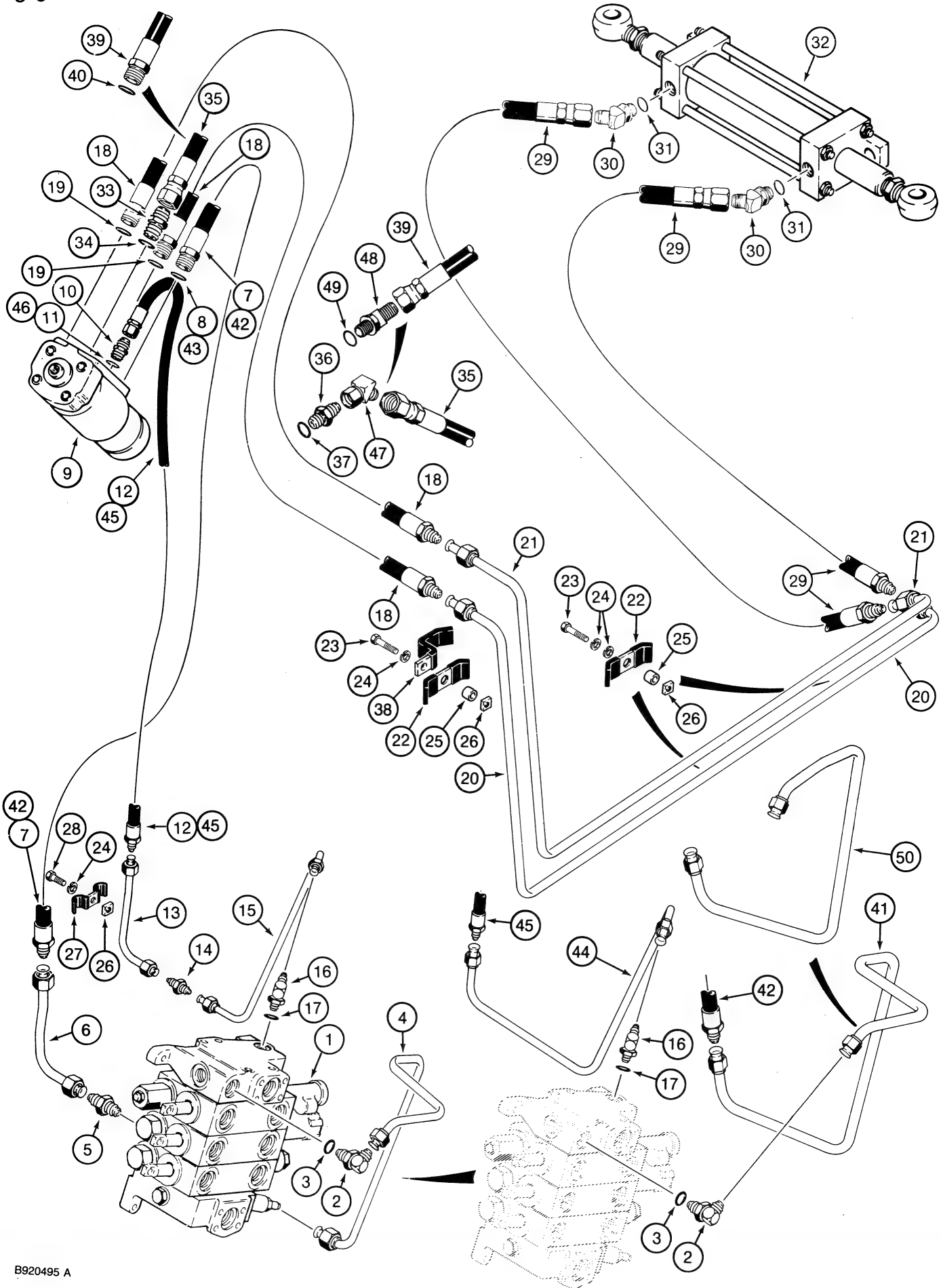
580 Super K Construction King Loader Backhoe

STEERING HYDRAULIC CIRCUIT

5-5

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-65 or 8-67	1
2	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss.....	1
3	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
4	D147584	TUBE - steering pressure, at loader valve, used with items 5-7, if used.....	1
5	218-735	CONNECTOR - straight, 3/4-16 inch flare, used with items 4, 6, and 7, if used.....	1
6	D147588	TUBE - steering pressure, to hose at steering valve, used with items 4, 5, and 7, if used.....	1
7	D146135	HOSE - 1000 mm long, steering pressure, loader control valve to steering control valve lower right-hand port, used with items 4-6, if used	1
8	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
9	REF	VALVE ASSEMBLY - steering control, for correct assembly and components, see pages 5-11 - 5-13B	1
10	218-5053	ADAPTER - straight, 7/16-20 inch flare x O-ring boss, if used.....	1
11	237-6004	O-RING - 23/64 ID x 5/64 inch wide.....	1
12	D146136	HOSE - 1000 mm long, steering pilot, steering control valve small center port to loader control valve, used with items 10 and 13-15, if used	1
13	D147590	TUBE - steering pilot, to tube at steering control valve, used with items 10-12, 14 and 15, if used.....	1
14	218-734	CONNECTOR - straight, 9/16-18 inch flare, used with items 10-13 and 15, if used.....	1
15	D147586	TUBE - steering pilot, to loader control valve, used with items 10-14, if used	1
16	218-5105	ELBOW - 90 degree, 9/16-18 inch flare x adj O-ring boss.....	1
17	237-6006	O-RING - 15/32 ID x 5/64 inch wide.....	1
18	D143188	HOSE - 570 mm long, steering control valve upper and lower left-hand ports to tubes	2
19	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
20	D146282	TUBE - lower, to steering cylinder right-hand port hose.....	1
21	D146280	TUBE - upper, to steering cylinder left-hand port hose.....	1
22	D143846	CLAMP - tube.....	3
23	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	3
24	492-11038	WASHER - lock, 3/8 inch.....	6
25	D149139	SPACER - special, tube clamp.....	3
26	224-2246	NUT - square, 3/8 inch NC.....	4
27	D146520	CLAMP - tube.....	1
28	413-612	BOLT - hex, 3/8 NC x 3/4 inch	1
29	D124648	HOSE - 500 mm long, at steering cylinder	2
30	218-5136	ELBOW - 45 degree, 3/4-16 inch flare x adj O-ring boss.....	2
31	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1

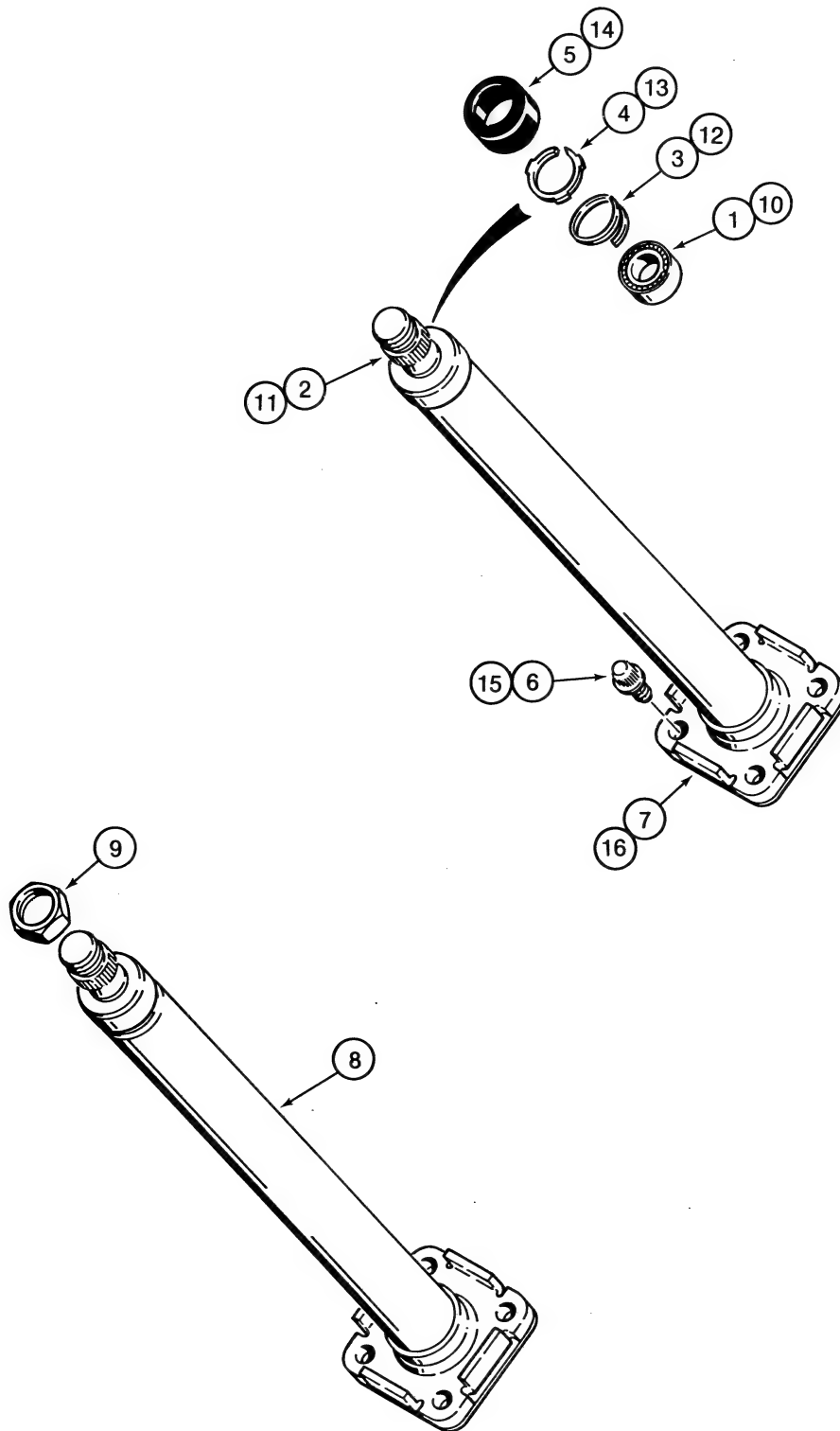
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580 Super K Construction King Loader Backhoe
STEERING HYDRAULIC CIRCUIT

5-7

REF.	PART NO.	DESCRIPTION	REQD.
32	G107720	CYLINDER ASSEMBLY - steering, for correct assembly and components, see page 5-15	1
33	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, used with D150056 hose, item 35	1
34	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
35	D150056	HOSE - 1200 mm long, steering return, steering control valve upper right-hand port to hydraulic oil filter, used with 218-5059 adapter, item 33	1
36	218-5351	ADAPTER - straight, 3/4-16 flare x 9/16-18 inch O-ring boss, may be used with or without item 47 elbow, if used	1
37	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
38	D150345	GUIDE - hose, steering pressure and steering pilot hoses, items 7 and 12	1
39	D150829	HOSE - 1200 mm long, steering return, steering control valve upper right-hand port to hydraulic oil filter, replaces hose and adapter on some models, items 33 and 35	1
40	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
41	D150741	TUBE - steering pressure, at loader valve, used with items 42 and 43, replaces two piece tube on some models, if used	1
42	D149871	HOSE - 1125 mm long, steering pressure, loader control valve to steering control valve lower right-hand port, used with item 41 tube	1
43	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
44	D150739	TUBE - steering pilot, to loader control valve, used with items 45 and 46, replaces two piece tube on some models	1
45	D150828	HOSE - 1125 mm long, steering pilot, steering control valve small center port to loader control valve, used with item 44	1
46	237-6004	O-RING - 23/64 ID x 5/64 inch wide	1
47	218-5173	ELBOW - 45 deg, 3/4-16 inch flare x swivel straight thread, used with item 36 adapter on some models, if used	1
48	218-5529	ELBOW - 45 deg, 3/4-16 flare x 9/16-18 inch adj O-ring boss, replaces items 36 and 47 adapter and elbow on some models, if used	1
49	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
50	D151077	TUBE - steering pressure, at loader valve, used with items 42 and 43, may replace item 41 on some models, if used	1

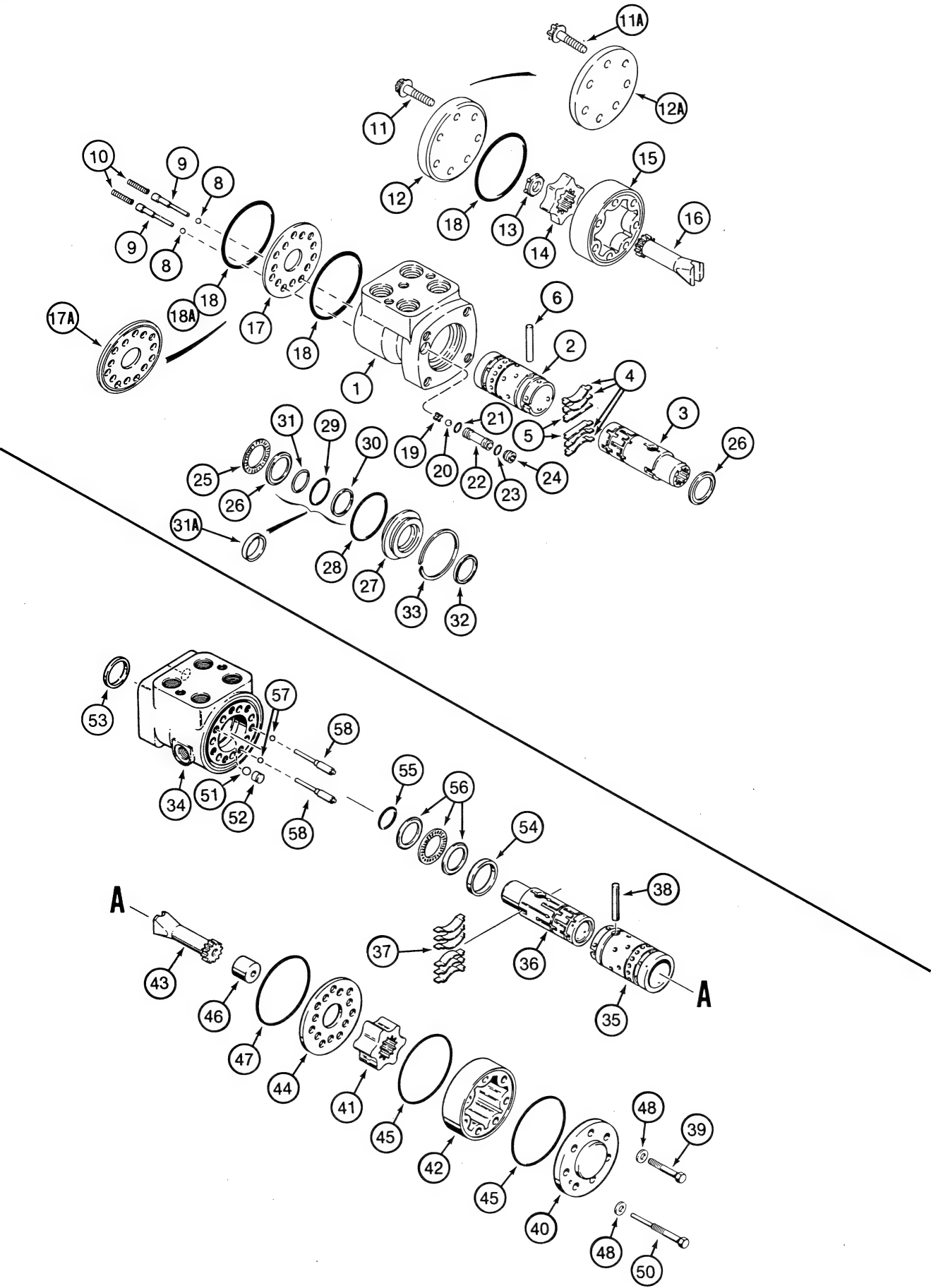


580 Super K Construction King Loader Backhoe

STEERING COLUMN

5-9

REF.	PART NO.	DESCRIPTION	REQD.
	D135411	COLUMN ASSEMBLY - steering, may receive either Eaton or Danfoss complete steering column assembly, see below for service of internal parts, if used.....	1
	NSS	COLUMN ASSEMBLY - steering, Eaton No. 204-1031-006, 460 mm long, if used.....	1
1	L30881	BEARING - roller, steering shaft.....	1
2	NSS	COLUMN - steering shaft.....	1
3	F53335	RING - retaining, bearing.....	1
4	NSS	RETAINER - bearing.....	1
5	S115351	CAP - shaft.....	1
6	166-43	BOLT - 12 point, 3/8 NC x 3/4 inch, grade 8, not required, uses items 6 and 7 shown on page 5-3.....	2
7	NSS	FLANGE - tube.....	1
	NSS	COLUMN ASSEMBLY - steering, Danfoss Type No. OTPB400, Code No. 150X0058, 454 mm long, if used.....	1
8	NSS	COLUMN - steering shaft.....	1
9	N14118	NUT - special, used on Danfoss steering columns.....	1
	D150774	COLUMN ASSEMBLY - steering, Eaton No. 204-1104-006, 469 mm long, if used.....	1
10	L30881	BEARING - roller, steering shaft.....	1
11	NSS	COLUMN - steering shaft.....	1
12	F53335	RING - retaining, bearing.....	1
13	NSS	RETAINER - bearing.....	1
14	S115351	CAP - shaft.....	1
15	166-43	BOLT - 12 point, 3/8 NC x 3/4 inch, grade 8, not required, uses items 6 and 7 shown on page 5-3.....	2
16	NSS	FLANGE - tube.....	1



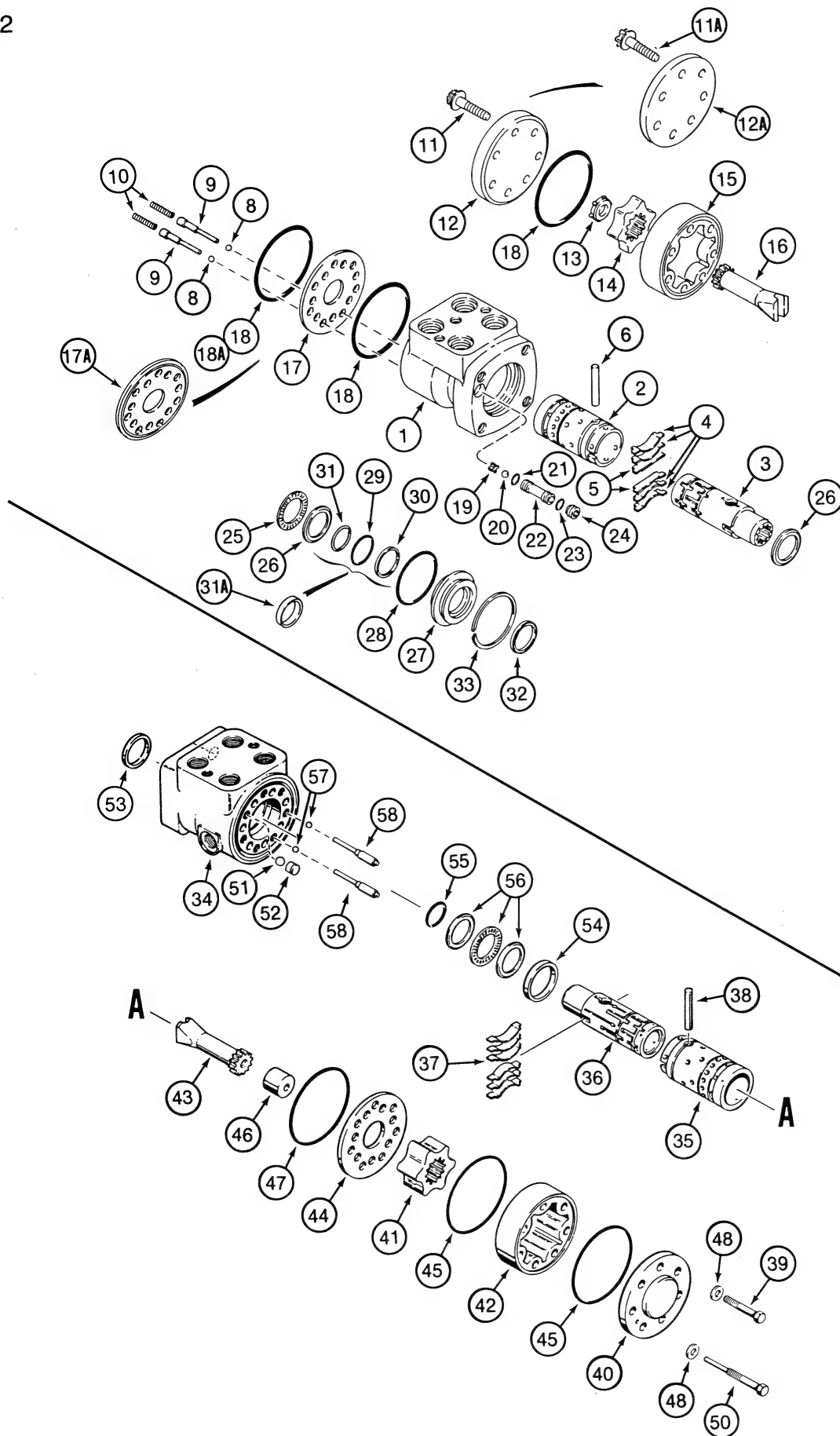
580 Super K Construction King Loader Backhoe STEERING CONTROL VALVE

5-11

REF.	PART NO.	DESCRIPTION	REQD.
	D135338	VALVE ASSEMBLY - steering control, may receive either Eaton or Danfoss complete control valve assembly, see below for service of internal parts, no longer available, order 135999A1 valve assembly on page 5-13B	1
	D140225	VALVE ASSEMBLY - steering control, Eaton No. 263-1061-004, includes items 1-33, no longer available, order 135999A1 valve assembly on page 5-13B	1
	NSS	VALVE ASSEMBLY - steering control, D135338 valve, Eaton No. 263-1061-004, if used	1
1	NSS	HOUSING - control valve	1
2	NSS	SLEEVE - control valve	1
3	NSS	SPOOL - control valve	1
	N14250	KIT - centering spring	1
4	NSS	SPRING - centering, 6 in kit	4
5	NSS	SPACER - spring	2
6	L30888	PIN - centering	1
7	NSS	VALVE - check, control valve, not shown	1
8	211-204	BALL - 3/16 inch, grade 25, chrome alloy steel, anticavitation	2
9	136494A1	RETAINER - spring, anticavitation (replaces N14764)	2
10	N14763	SPRING - anticavitation	2
11	H189555	BOLT - Ferry head, 12 point, 5/16 NF x 1-5/8 inch, used with items 12 and 17, if used	7
11A	*136586A1	BOLT - Torx head, 6 point, 5/16 NF x 1-3/4 inch, used with items 12A and 17A, if used	7
12	D82809	CAP - end, with O-ring groove, upon depletion of service parts, when replacing end cap or spacer plate (items 12 or 17), order 136493A1 repair kit, see below	1
12A	*135867A1	CAP - end, without O-ring groove, 3/8 inch thick	1
13	K964246	SPACER - drive shaft	1
	N14154	SET - gerotor, control valve	1
14	NSS	ROTOR - control valve	1
15	NSS	STATOR - control valve	1
16	L30878	SHAFT - drive, steering control valve	1
17	S113037	PLATE - spacer, without O-ring groove, upon depletion service parts, when replacing end cap or spacer plate (items 12 or 17), order 136493A1 repair kit, see below	1
17A	*135869A1	PLATE - spacer, with O-ring groove facing end cap	1
18	**238-5040	O-RING - cover and housing (replaces N6392 square cut seal)	3
	*136493A1	KIT - repair, end cap and spacer plate, includes (7) 136586A1 bolts, 135867A1 end cap and 135869A1 spacer plate, items 11A, 12A and 17A, see note	1
	**1343658C3	KIT - seal, low torque, includes above items marked with a double asterisk above and on page 5-13	1

***NOTE:** When the end cap repair kit is installed, 'flip' outer gerotor ring (item 15), also order two of Ref 9 retainers and reinstall it so that the O-ring groove faces the end cap.

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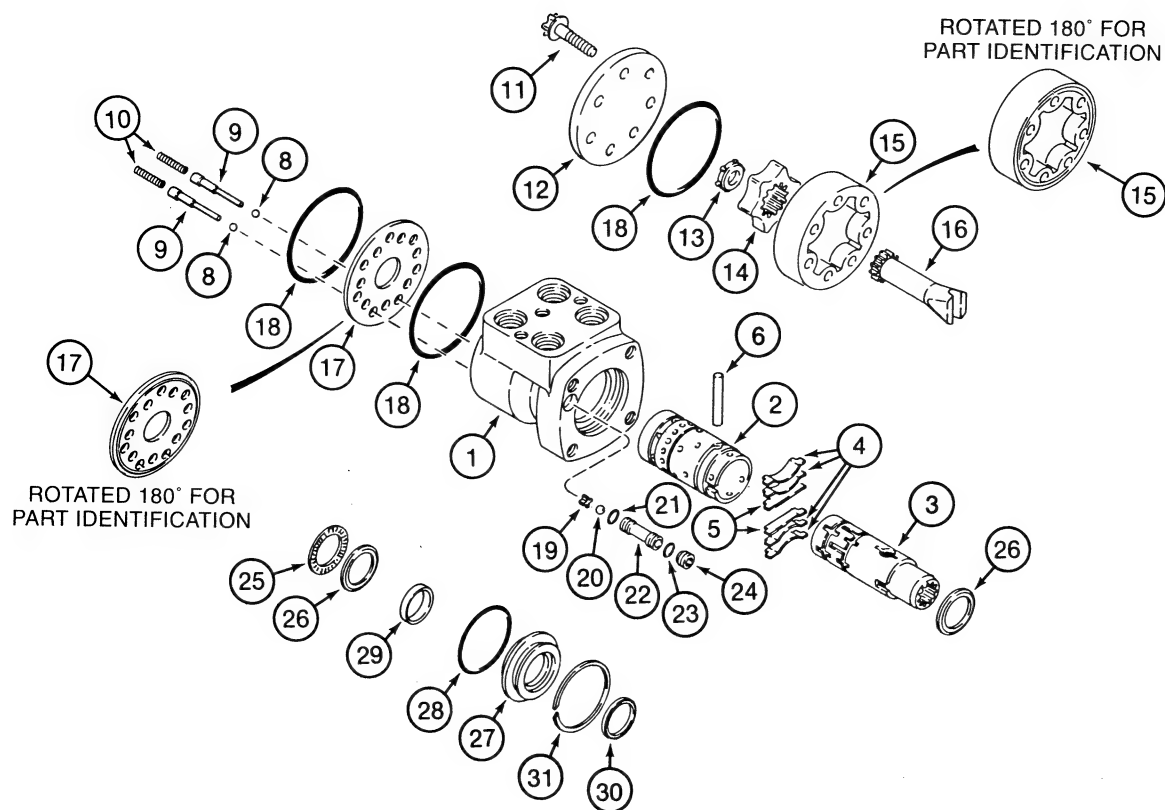


580 Super K Construction King Loader Backhoe

STEERING CONTROL VALVE

5-13

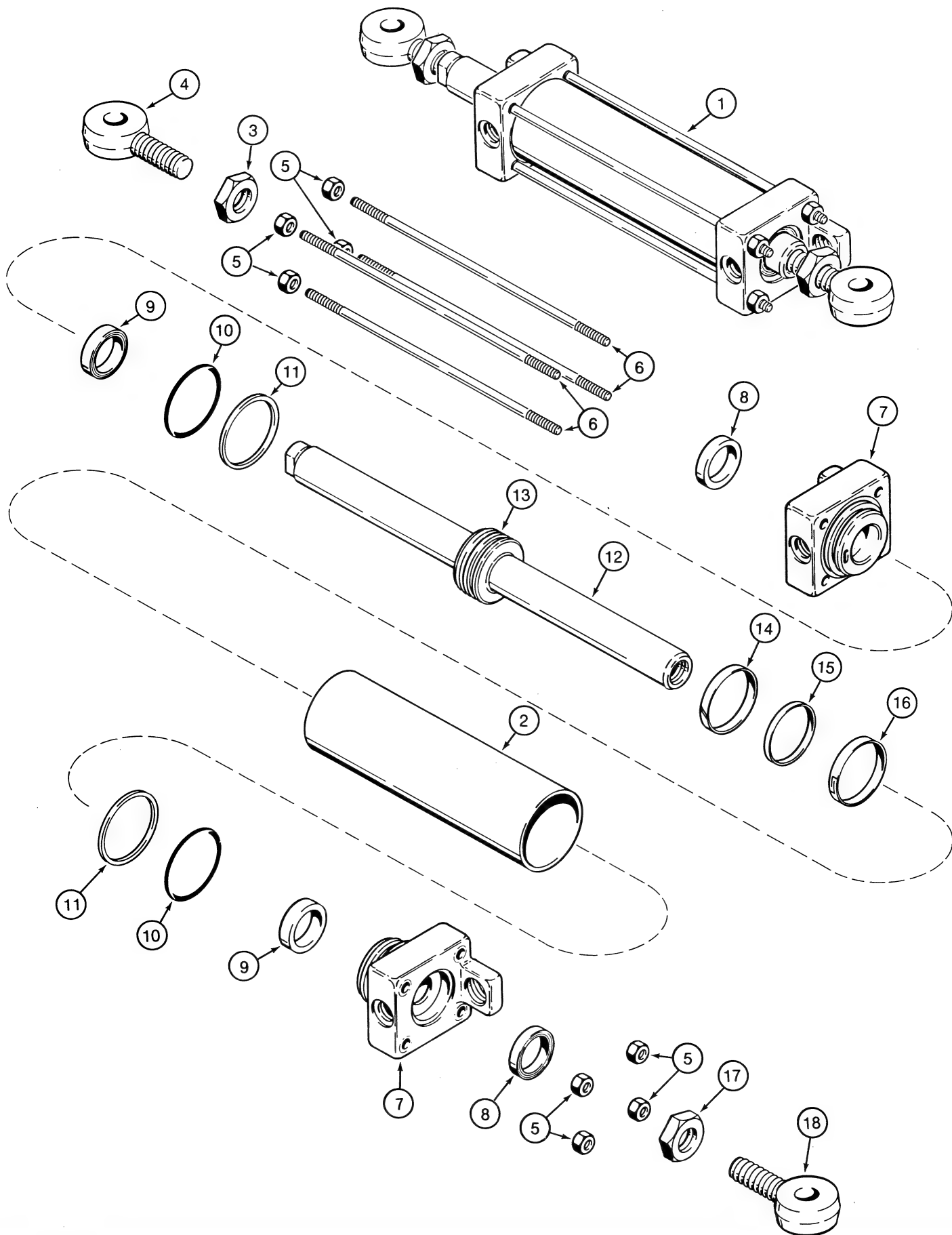
REF.	PART NO.	DESCRIPTION	REQD.
	D135338	VALVE ASSEMBLY - steering control, continued from previous page	1
	NSS	VALVE ASSEMBLY - steering control, Eaton No. 263-1061-004, if used, continued from previous page	1
19	L35368	RETAINER - check ball.....	1
20	211-208	BALL - 5/16 inch, grade 25, chrome alloy steel, check	1
21	**L30893	O-RING - 7/16 inch ID, seat, inner.....	1
22	D82806	SEAT - check ball	1
23	**238-5012	O-RING - seat, outer (replaces N8539 seal)	1
24	D82805	PLUG - hex socket, special.....	1
25	G13609	BEARING - needle, spool.....	1
26	D82804	WASHER - thrust, bearing.....	2
27	N13312	RETAINER - spool seal.....	1
28	**238-5225	O-RING - seal retainer (replaces A14515)	1
29	N13313	SEAL - teflon, spool, inner, if used	1
30	50-2703T1	RING - backup, seal, if used (replaces N13314).....	1
31	238-5121	O-RING - 1-1/16 ID x 3/32 inch wide, spool, inner, if used	1
31A	**NSS	SEAL - may replace three piece seal arrangement (items 29-31) ..	1
32	**A28211	SEAL - 1 inch ID, spool, outer.....	1
33	S110169	RING - retaining, seal retainer	1
	NSS	VALVE ASSEMBLY - steering control, Danfoss Type No. OSPC125LS, Code No. 150-0122, if used	1
34	NSS	HOUSING - control valve	1
35	NSS	SLEEVE - control valve.....	1
36	NSS	SPOOL - control valve.....	1
37	N14219	SPRING - centering, set of six	1
38	3112269R1	PIN - centering.....	1
39	814-8040	BOLT - hex, 8 - 1.25 x 40 mm	6
40	3112273R1	COVER - end.....	1
	N14221	SET - gerotor, control valve.....	1
41	NSS	ROTOR - control valve.....	1
42	NSS	STATOR - control valve.....	1
43	538915R1	SHAFT - drive, steering control valve.....	1
44	3112276R1	PLATE - spacer.....	1
45	3141536R1	O-RING - cover and housing (replaces V35605).....	2
46	N14220	SPACER - shaft.....	1
47	538931R1	O-RING - plate (replaces V35603)	1
48	538920R1	WASHER - end cover	7
50	D145254	BOLT - special, with pin	1
51	3112270R1	BALL - plate	1
52	3112272R1	BUSHING - plate	1
53	538930R1	SEAL - spool, outer (replaces V35600).....	1
54	3112264R1	RING - retaining	1
55	D145253	O-RING - special	1
56	N14218	BEARING - spool, includes roller bearing and two thrust washers.....	1
57	N14222	BALL - housing, not shown	2
58	D145278	PIN - with bushing	2
	**1343658C3	KIT - seal, low torque, includes above items marked with a double asterisk, plus item 18 on page 5-11	1



580 Super K Construction King Loader Backhoe
STEERING CONTROL VALVE

5-13B

REF.	PART NO.	DESCRIPTION	REQ'D.
	135999A1	VALVE ASSEMBLY - steering control, Eaton No. 263-1146-002	1
1	NSS	HOUSING - control valve	1
2	NSS	SLEEVE - control valve.....	1
3	NSS	SPOOL - control valve.....	1
	N14250	KIT - centering spring.....	1
4	NSS	SPRING - centering, 6 in kit	4
5	NSS	SPACER - spring	2
6	L30888	PIN - centering	1
8	211-204	BALL - 3/16 inch, grade 25, chrome alloy steel, anticavitation.....	2
9	136494A1	RETAINER - spring, anticavitation.....	2
10	N14763	SPRING - anticavitation.....	2
11	136586A1	BOLT - Torx head, 6 point, 5/16 NF x 1-3/4 inch.....	7
12	135867A1	CAP - end, without O-ring groove.....	1
13	K964246	SPACER - drive shaft	1
	N14154	SET - gerotor, control valve	1
14	NSS	ROTOR - control valve.....	1
15	NSS	STATOR - control valve	1
16	L30878	SHAFT - drive, steering control valve	1
17	135869A1	PLATE - spacer, with O-ring groove	1
18	*238-5040	O-RING - cover and housing	3
19	L35368	RETAINER - check ball	1
20	211-208	BALL - 5/16 inch, grade 25, chrome alloy steel, check.....	1
21	*L30893	O-RING - 7/16 inch ID, seat, inner.....	1
22	D82806	SEAT - check ball.....	1
23	*238-5012	O-RING - seat, outer (replaces N8539 seal)	1
24	D82805	PLUG - hex socket, special.....	1
25	G13609	BEARING - needle, spool.....	1
26	D82804	WASHER - thrust, bearing.....	2
27	N13312	RETAINER - spool seal	1
28	*238-5225	O-RING - seal retainer.....	1
29	*NSS	SEAL - spool, inner	1
30	*A28211	SEAL - 1 inch ID, spool, outer	1
31	S110169	RING - retaining, seal retainer.....	1
	*1343658C3	KIT - seal, low torque, includes above items marked with an asterisk.....	1

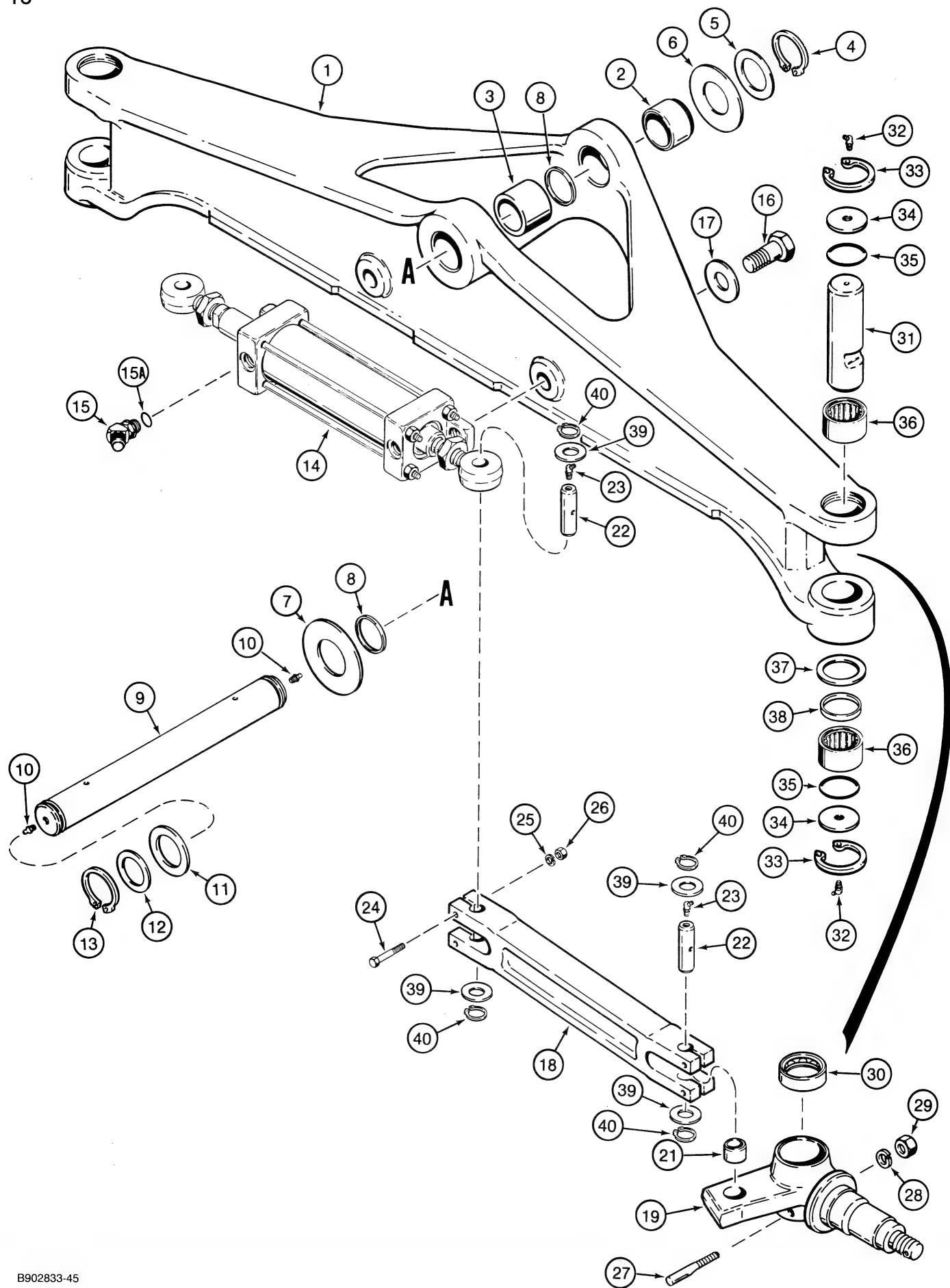


STEERING CYLINDER***TWO WHEEL DRIVE FRONT AXLE**

REF.	PART NO.	DESCRIPTION	REQD.
1	G107720	CYLINDER ASSEMBLY - 2-3/4 (70) ID x 6-45/64 inch (170 mm) stroke, see footnote, steering, two wheel drive front axle.....	1
2	G106808	TUBE - cylinder	1
3	129-369	NUT - hex, jam, 7/8 inch NF, left-hand thread	1
4	G106832	EYE - rod, left-hand thread	1
5	425-106	NUT - hex, 3/8 inch NC.....	8
6	G106817	ROD - tie, 13-5/16 inch (338 mm) long, cylinder	4
	G109996	GLAND ASSEMBLY - cylinder, no longer available, order item 7 G106810 gland and G110045 seal kit	2
7	G106810	GLAND - cylinder.....	1
8	**D95142	WIPER - piston rod, outer.....	1
9	**G107921	SEAL - U-cup, with O-ring, piston rod, wide	1
10	**238-5230	O-RING - gland (replaces A28318).....	1
11	**G32129	RING - backup, gland O-ring	1
	G107721	ROD ASSEMBLY - piston, 1-1/2 inch (38 mm) diameter.....	1
12	NSS	ROD - piston.....	1
13	NSS	PISTON - cylinder	1
14	**G105187	RING - wear, piston.....	1
15	**G104439	RING - seal, inner.....	1
16	**G104454	SEAL - expandable, outer, piston	1
17	425-1514	NUT - hex, jam, 7/8 inch NF.....	1
18	G106813	EYE - rod, right-hand thread.....	1
	**G110045	KIT - seal, includes all items with an asterisk.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

***NOTE:** See page 6-47 for the four-wheel drive front axle steering cylinder.

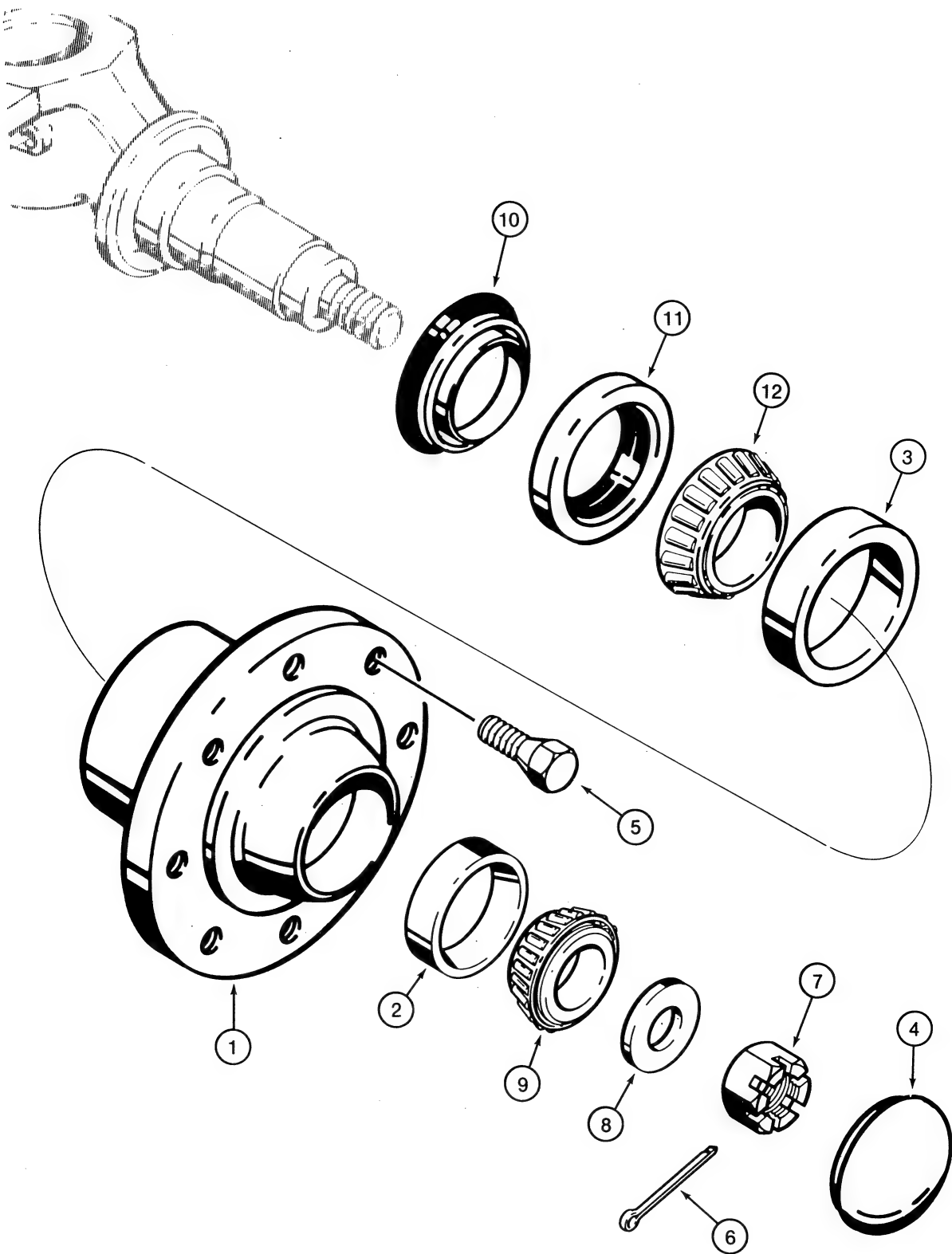


580 Super K Construction King Loader Backhoe

FRONT AXLE AND SPINDLES

5-17

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D138954	AXLE ASSEMBLY - front, with single rear bushing	1
2	D137345	BUSHING - axle, front	1
3	D138047	BUSHING - axle, rear	1
4	800-44050	RING - snap, axle pivot pin retaining, front	1
5	495-81282	WASHER - flat, 2-1/16 x 3 x 1/8 inch	UAR
6	D143408	WASHER - flat, special, used as spacer	UAR
7	D123684	WASHER - thrust, 2-1/16 x 4-1/2 x 3/16 inch, front	1
8	D123655	SEAL - grease	2
9	D127445	PIN - axle pivot	1
10	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
11	D143431	WASHER - special	1
12	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	1
13	103-16175	RING - snap, axle pivot pin retaining, rear (replaces D25280)	1
14	G107720	CYLINDER ASSEMBLY - two wheel drive front axle, parts list page 5-15	1
15	218-5136	ELBOW - 45 degree, 3/4-16 inch flare x adj O-ring boss	2
15A	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
16	13-1638	BOLT - hex, 1 NC x 2-3/8 inch	2
17	D36505	WASHER - flat, 1-1/16 x 1-7/8 x 9/64 inch, hardened	2
18	D123806	LINK - steering	2
19	D125340	SPINDLE ASSEMBLY - right-hand	1
20	D125341	SPINDLE ASSEMBLY - left-hand, not shown	1
21	D127507	BUSHING - D125340 or D125341 spindle	1
22	D150155	PIN - steering link	4
23	219-89	FITTING - grease, 45 degree, 1/8 PT self-tapping x 25/32 inch	4
24	413-632	BOLT - hex, 3/8 NC x 2 inch	8
25	492-11038	WASHER - lock, 3/8 inch	8
26	425-106	NUT - hex, 3/8 inch NC	8
27	*D57486	PIN - kingpin lock	2
28	492-11050	WASHER - lock, 1/2 inch	2
29	425-118	NUT - hex, 1/2 inch NF	2
30	*A27602	BEARING - roller, spindle	2
31	*D123865	KINGPIN - front axle	2
32	*219-89	FITTING - grease, 45 degree, 1/8 PT self-tapping x 25/32 inch	4
33	*100-21237	RING - snap, bearing retaining (replaces A27463)	4
34	*D72371	SPACER - kingpin	4
35	*238-5139	O-RING - 2-3/16 ID x 3/32 inch wide, kingpin seal	4
36	*A28230	BEARING - needle, kingpin	4
37	*D72372	WASHER - thrust, bearing	2
38	*D61297	SEAL - oil	2
39	495-11094	WASHER - flat, 15/16 x 1-3/4 x 1/8 inch	8
40	100-1687	RING - snap, pin (replaces D71829)	8
	*D103626	KIT - kingpin, includes items marked with an asterisk, quantity in kit services one side of axle	1



580 Super K Construction King Loader Backhoe
FRONT WHEEL HUB AND BEARINGS

5-19

REF.	PART NO.	DESCRIPTION	REQD.
	A66759	HUB ASSEMBLY - front wheel.....	2
1	NSS	HUB - front wheel.....	1
2	*619387R1	CUP - outer, tapered roller bearing	1
3	*625743C1	CUP - inner, tapered roller bearing.....	1
4	D143405	CAP - hub.....	2
5	A38208	BOLT - wheel retaining, see page 5-21 for bolt or nut options.....	16
6	432-1232	PIN - cotter, 3/16 x 2 inch.....	2
7	425-1918	NUT - hex, slotted, 1-1/8 inch NF.....	2
8	D74949	WASHER - flat, 1-1/8 inch.....	2
9	*G15215	BEARING - tapered roller, outer	2
10	*A61449	SEAL - spindle	2
11	*A61448	SEAL - hub	2
12	*A61447	BEARING - tapered roller, inner.....	2
	*D103157	KIT - wheel bearing, includes above items marked with an asterisk, two kits required per tractor.....	1



580 Super K Construction King Loader Backhoe
FRONT WHEELS AND TIRES

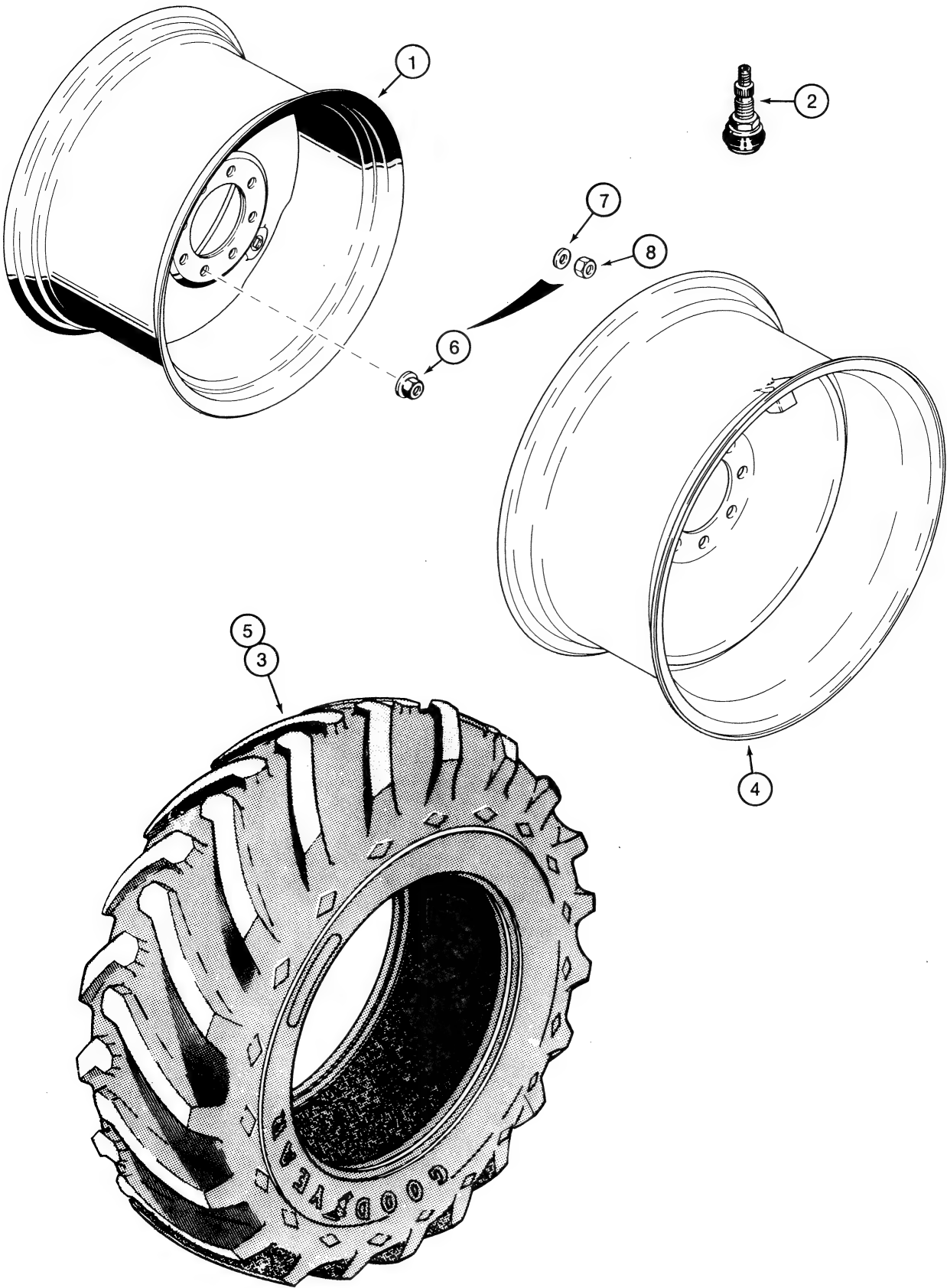
5-21

REF.	PART NO.	DESCRIPTION	REQD.
FOR 11L x 16 - 10 PR F3 TIRES TWO WHEEL DRIVE MODELS			
1	D125223	WHEEL - rim.....	2
2	REF	TIRE - front, purchase locally	2
3	A38261	STEM - valve, wheel.....	2
FOR 12 x 16.5 - 8 PR TIRES FOUR WHEEL DRIVE MODELS			
4	D126930	WHEEL - rim, 8-hole pattern.....	2
5	REF	TIRE - front, purchase locally	2
6	A38261	STEM - valve, wheel.....	2
WHEEL BOLTS TWO WHEEL DRIVE MODELS			
7	A38208	BOLT - wheel retaining	16
WHEEL NUTS FOUR WHEEL DRIVE MODELS			
8	K395089	NUT - hex, wheel retaining	16
9	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened.....	16

ALPHABETICAL INDEX

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**580 Super K Construction King Loader Backhoe
REAR WHEELS AND TIRES**

6-3

REF.	PART NO.	DESCRIPTION	REQD.
------	----------	-------------	-------

**FOR 16.9 OR 17.5L x 24 TIRES - 10 PLY (82 INCH UNIT)
TWO WHEEL OR FOUR WHEEL DRIVE MODELS**

1	115488A1	WHEEL - rim, (replaces D144999 wheel).....	2
2	A20058	STEM - valve, wheel.....	2
3	REF	TIRE - rear, purchase locally	2

**FOR 19.5L x 24 TIRES - 10 PLY (82 INCH UNIT)
TWO WHEEL OR FOUR WHEEL DRIVE MODELS**

1	115489A1	WHEEL - rim, (replaces D144998 wheel).....	2
2	A20058	STEM - valve, wheel.....	2
3	REF	TIRE - rear, purchase locally	2

**FOR 19.5L x 24 TIRES - 10 PLY (90 INCH UNIT)
TWO WHEEL OR FOUR WHEEL DRIVE MODELS**

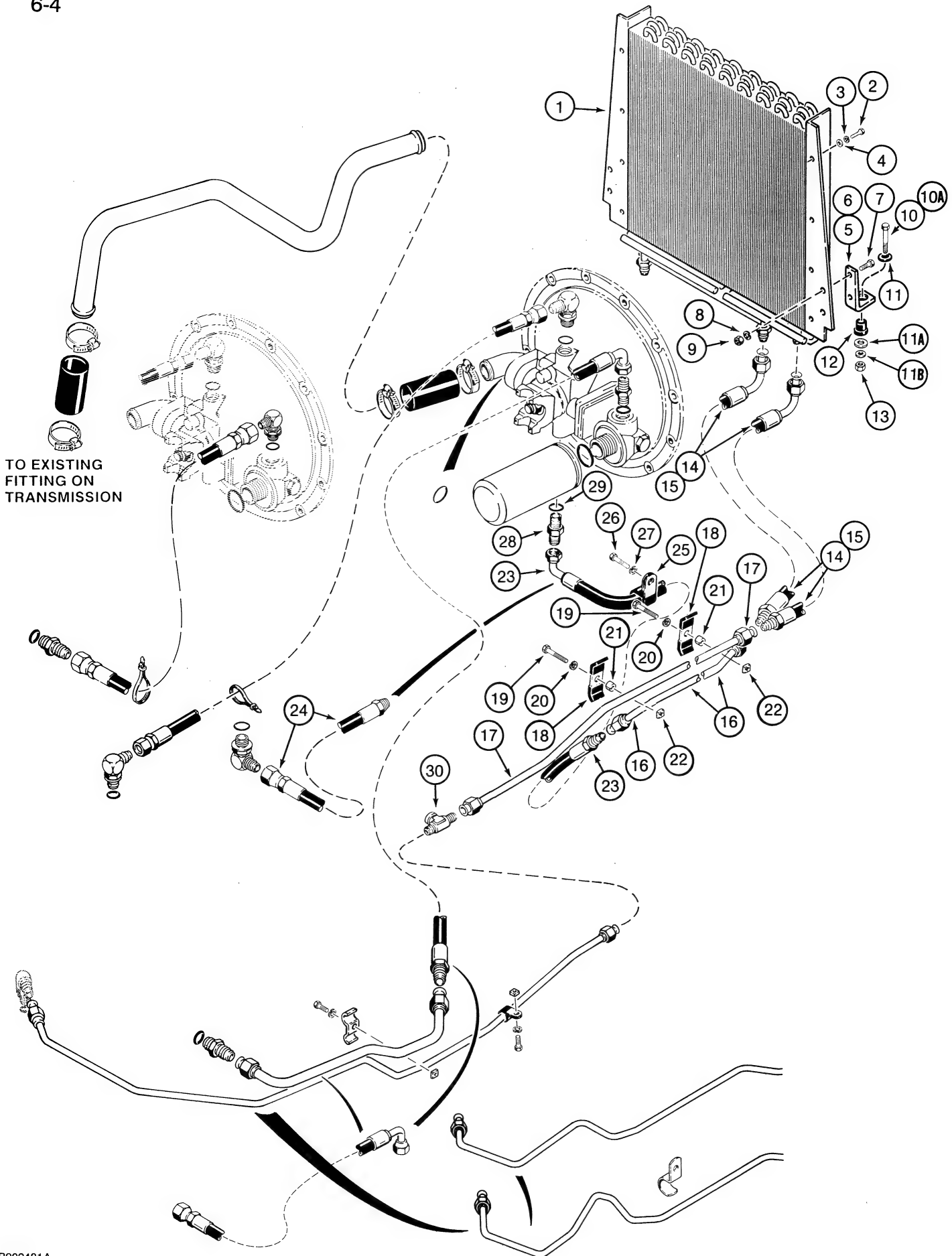
1	115490A1	WHEEL - rim, (replaces D144996 wheel).....	2
2	A20058	STEM - valve, wheel.....	2
3	REF	TIRE - rear, purchase locally	2

**FOR 16.9L x 28 TIRES - 8 PLY
TWO WHEEL DRIVE MODELS**

4	D127437	WHEEL - rim.....	2
5	REF	TIRE - rear, with tubes, purchase locally.....	2

WHEEL NUTS

6	98783C1	NUT - hex flanged, 20 mm - 1.5, special, if used.....	16
7	138076A1	WASHER - flat, 51/64 x 1-3/8 x 1/8 inch, hardened, special, if used.....	16
8	829-11420	NUT - hex, 20 mm - 1.5, class 10, if used.....	16

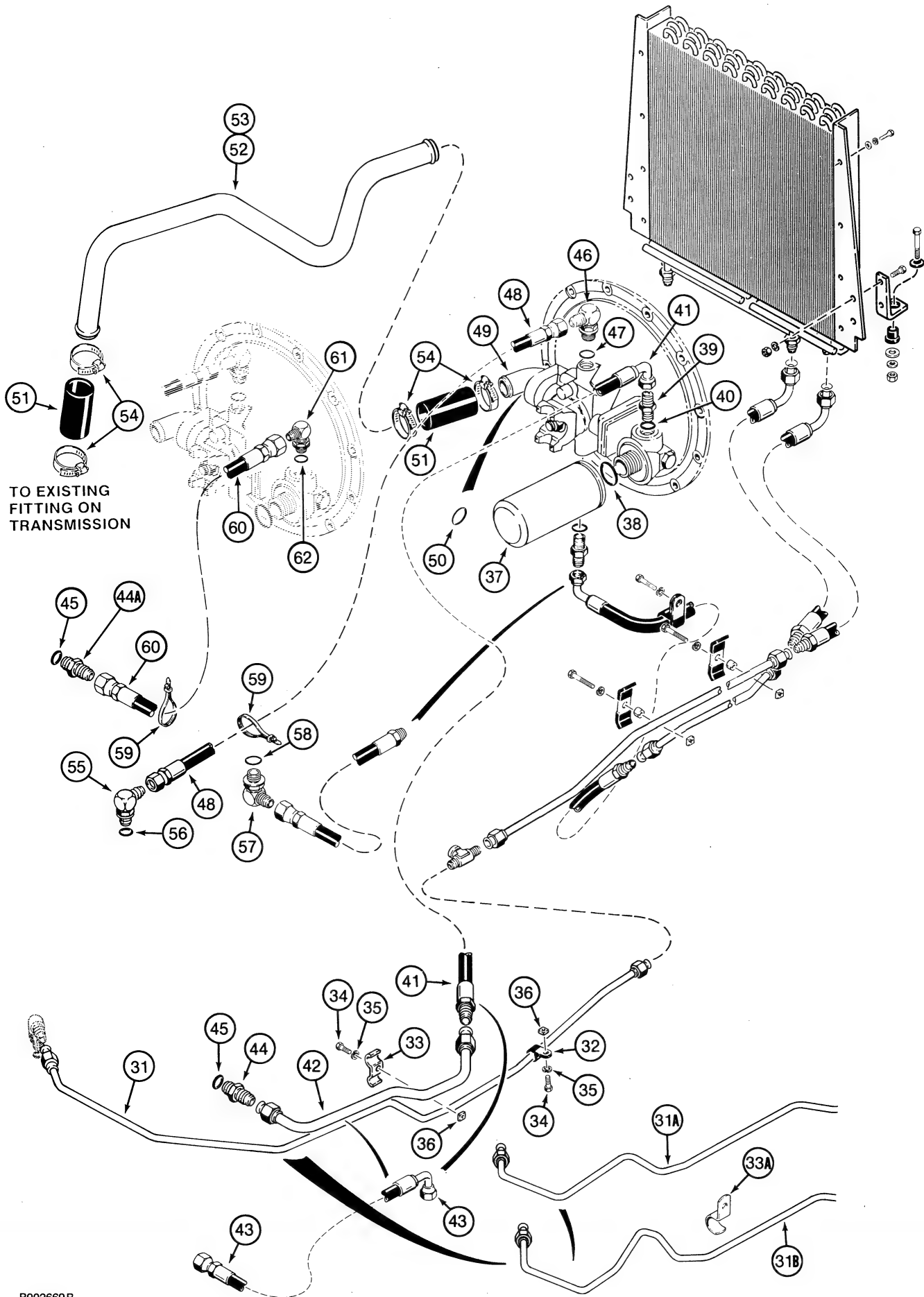


580 Super K Construction King Loader Backhoe TORQUE CONVERTER AND TRANSAXLE SHUTTLE COOLING SYSTEM

6-5

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A184542	COOLER - oil, transaxle shuttle, torque converter, and equipment hydraulic oil, for equipment hydraulic oil cooler lines, see pages 8-13 and 8-15, for oil cooler used on models with auxiliary hydraulics for optional rear hydraulics attachments, see item 29 cooler on page 8-15	1
2	614-8016	BOLT - hex, 8 - 1.25 x 16 mm.....	8
3	492-11031	WASHER - lock, 5/16 inch	8
4	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	8
5	114353A1	BRACKET - mounting, oil cooler to radiator shroud, left-hand, (replaces D131921 bracket)	1
6	114352A1	BRACKET - mounting, oil cooler to radiator shroud, right-hand, (replaces D131920 bracket)	1
7	413-616	BOLT - hex, 3/8 NC x 1 inch, bracket to oil cooler.....	4
8	492-11038	WASHER - lock, 3/8 inch	4
9	425-106	NUT - hex, 3/8 inch NC	4
10	413-628	BOLT - hex, 3/8 NC x 1-3/4 inch, bracket to radiator shroud, radiator shroud may have mounting hole or slot, this bolt used without items 11A or 11B in mounting hole.....	2
10A	413-632	BOLT - hex, 3/8 NC x 2 inch, for radiator shroud with slot, used with items 11A and 11B.....	2
11	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened.....	2
11A	D41740	WASHER - flat, hardened	2
11B	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch, used with item 10A in radiator shroud slot.....	2
12	D52276	INSULATOR - vibration, rubber mount	2
13	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	2
14	D146438	HOSE - 365 mm long, at cooler inlet and outlet, models without auxiliary hydraulics for optional rear hydraulic attachments, if used	2
15	D146772	HOSE - 400 mm long, at cooler inlet and outlet, models with auxiliary hydraulics for optional rear hydraulic attachments, if used	2
16	D146437	TUBE - torque converter hose to cooler inlet hose.....	1
17	D146435	TUBE - transaxle tube to cooler outlet hose	1
18	D143846	CLAMP - double tube	2
19	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	2
20	492-11038	WASHER - lock, 3/8 inch.....	2
21	D149139	SPACER - tube.....	2
22	224-2246	NUT - square, 3/8 inch NC.....	2
23	D134007	HOSE - 525 mm long, torque converter to cooler inlet, not used on models with PTO, uses item 28 adapter on this page.....	1
24	D150129	HOSE - 600 mm long, torque converter to cooler inlet, replaces item 23 hose on models with PTO, uses item 57 elbow on page 6-7.....	1
25	49858	CLAMP - P, 3/4 inch diameter, models with PTO and without heater....	1
26	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	1
27	492-11038	WASHER - lock, 3/8 inch.....	1
28	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, use with item 23, D134007 hose	1
29	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
30	218-585	TEE - 1/2 female PT branch x 3/4-16 inch flare.....	1

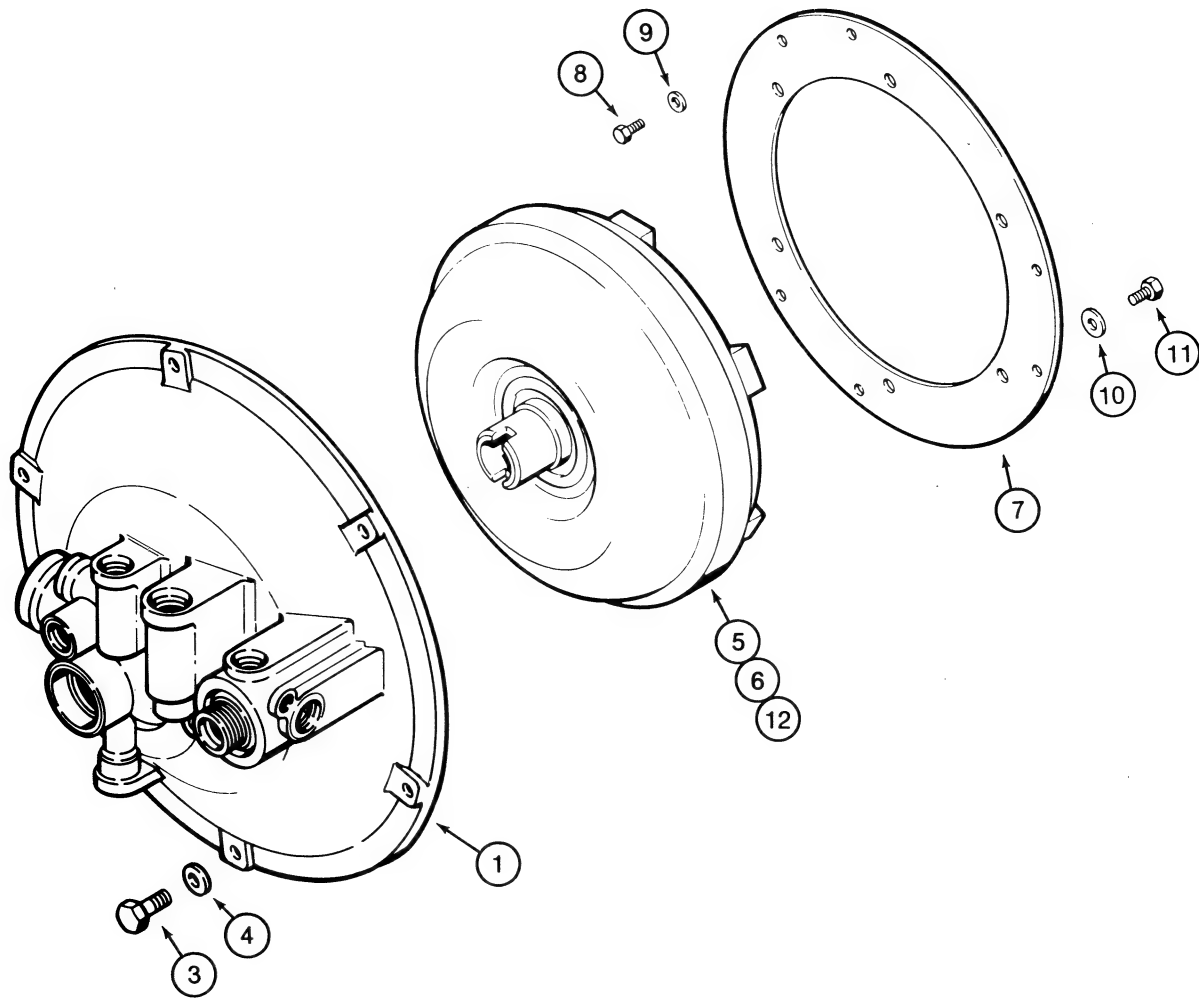
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580 Super K Construction King Loader Backhoe
TORQUE CONVERTER AND TRANSAXLE
SHUTTLE COOLING SYSTEM

6-7

REF.	PART NO.	DESCRIPTION	REQD.
31	D145952	TUBE - cooler outlet tube to transaxle, no longer available, order D151126 tube, item 31B	1
31A	D150887	TUBE - cooler outlet tube to transaxle, no longer available, order D151126 tube, item 31B	1
31B	D151126	TUBE - cooler outlet tube to transaxle, attaches to elbow on trans- axle, see page 7-3, item 12, for elbow, used with item 33A clamp	1
32	D140709	CLAMP - P-type, tube	1
33	D139956	CLAMP - double tube, if used	1
33A	D140709	CLAMP - single tube, if used	1
34	413-612	BOLT - hex, 3/8 NC x 3/4 inch	2
35	492-11038	WASHER - lock, 3/8 inch	2
36	224-2246	NUT - square, 3/8 inch NC	2
37	N9025	ELEMENT - filter, at torque converter (order 1346028C1)	1
37	1346028C1	ELEMENT - filter, at torque converter, (replaces N9025 element)	1
38	238-5230	O-RING - 2-1/2 ID x 1/8 inch wide, N9025 element	1
38	1986552C2	O-RING - 2-31/64 ID x 9/64 inch, 1346028C1 element	1
39	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss, if used	1
40	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
41	D141502	HOSE - 625 mm long, torque converter charge outlet, not used on models with PTO, see item 43 hose, used with item 42 tube, replaced by one piece hose on some models, item 60, if used	1
42	D150742	TUBE - torque converter to transaxle, charge, not used on models with PTO, see item 43 hose, if used	1
43	D149339	HOSE - 1030 mm long, torque converter to transaxle, charge, replaces items 41 and 42 on models with PTO	1
44	218-5065	ADAPTER - straight, 1-1/16-12 flare x 7/8-14 inch O-ring, at transaxle, used with item 42 tube or item 43 hose	1
44A	218-5062	ADAPTER - straight, 7/8-14 inch fl x O-ring boss, item 60 hose	1
45	237-6010	O-RING - 3/4 ID x 3/32 inch wide, 218-5062 or 218-5065 adapter	1
46	218-5117	ELBOW - 90 degree, 7/8-14 flare x 3/4-16 inch adj O-ring	1
47	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
48	E49602	HOSE - 1130 mm long, torque converter to transaxle lube (replaces D146201 1075 mm hose)	1
49	A186721	ELBOW - barb stem, 90 degree	1
50	237-6024	O-RING - 1-23/32 ID x 1/8 inch	1
51	D125962	HOSE - 100 mm long, suction, cut to required length from D129185 bulk hose	2
52	D145948	TUBE - suction, models without PTO, see page 6-33 for tube guard ...	1
53	D149883	TUBE - suction, models with PTO, see page 6-33 for tube guard	1
54	214-1428	CLAMP - adj, 1-5/16 - 2-1/4 inch diameter, hose	4
55	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, transaxle lube, included with power shuttle, see page 6-27	1
56	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
57	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, use with item 24, D150129 hose on page 6-5	1
58	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
59	L18337	STRAP - tie, nylon	2
60	D150280	HOSE - 1220 mm long, torque converter charge outlet to transaxle, replaces hose and tube (items 41 and 42) used on some models	1
61	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	1
62	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	D129185	HOSE - bulk, 1-1/2 (38) ID x 34 inch (864 mm) long	1

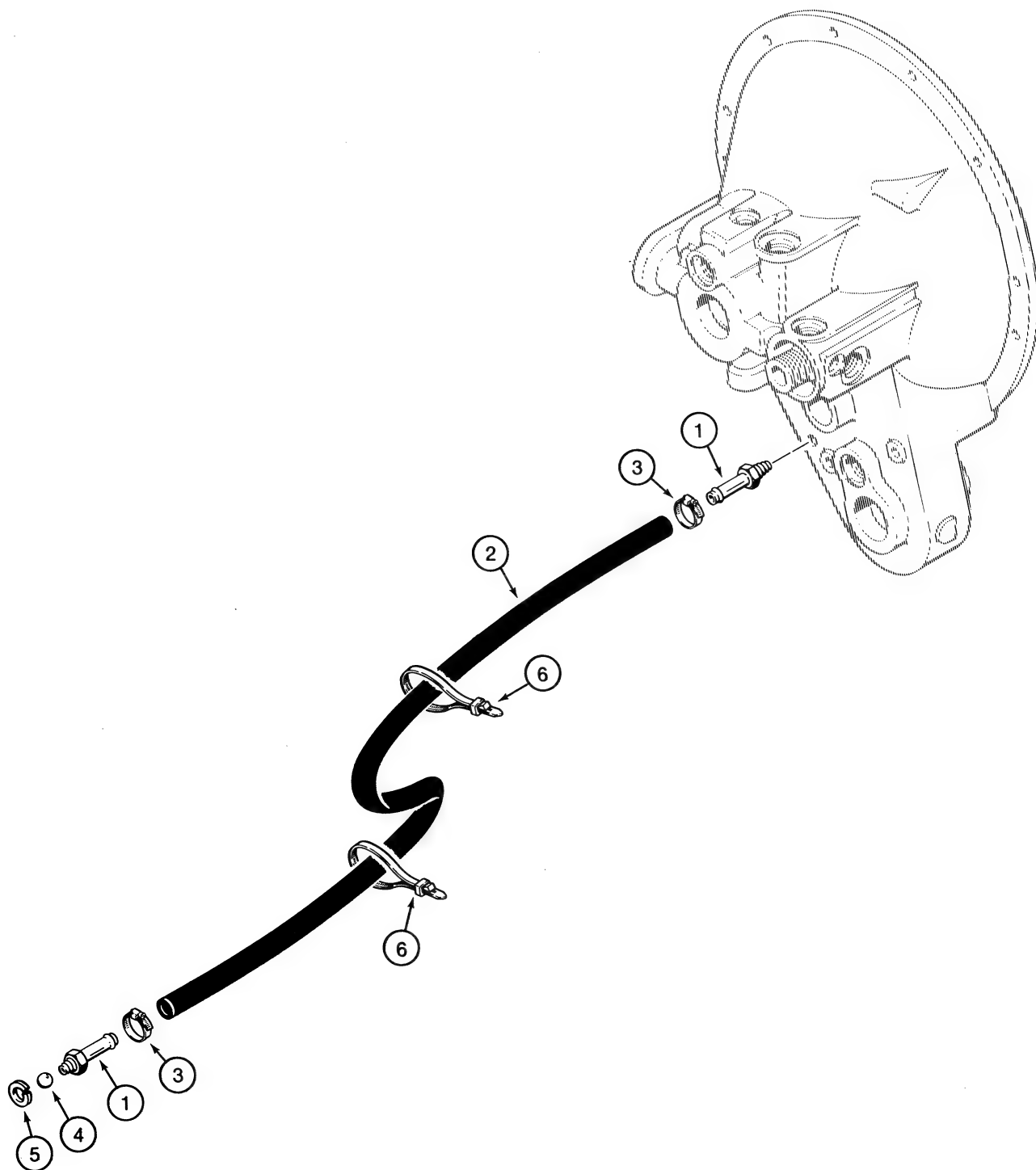


580 Super K Construction King Loader Backhoe

TORQUE CONVERTER MOUNTING

6-9

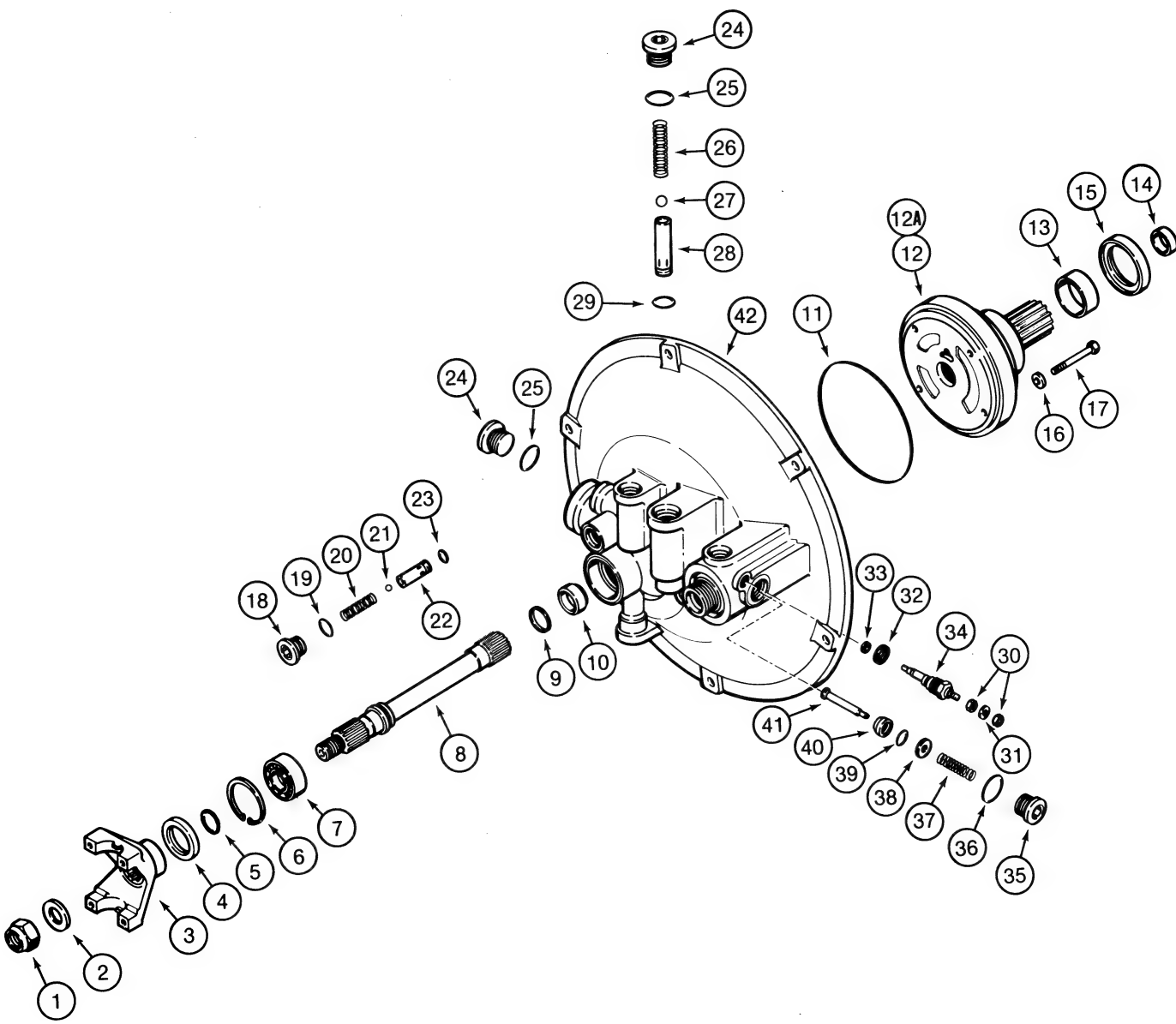
REF.	PART NO.	DESCRIPTION	REQ'D.
1	A186700	HOUSING ASSEMBLY - torque converter, models without PTO, see parts list page 6-13.....	1
2	A186706	HOUSING ASSEMBLY - torque converter, models with PTO, not shown, parts lists pages 6-15 and 6-17.....	1
3	614-10030	BOLT - hex, 10 - 1.50 x 30 mm.....	6
4	895-11010	WASHER - flat, 11 x 21 x 2 mm.....	6
5	1995135C1	CONVERTER - torque, models without PTO (replaces A186701 converter), used on models without turbocharged engines; and models with turbocharged engines prior to tractor P.I.N. JJG0173468.....	1
6	1995136C1	CONVERTER - torque, models with PTO (replaces A186704 converter).....	1
7	A178706	PLATE - adapter, torque converter housing to engine.....	1
8	428-510	BOLT - hex, 5/16 NF x 5/8 inch, grade 8.....	6
9	A15672	WASHER - flat, hardened, special.....	6
10	895-11010	WASHER - flat, 11 x 21 x 2 mm.....	6
11	626-10016	BOLT - hex, 10 - 1.5 x 16 mm, class 10.9.....	6
12	1995137C1	CONVERTER - torque, models without PTO, used on models with turbocharged engine on tractor P.I.N. JJG0173468 and after.....	1



580 Super K Construction King Loader Backhoe
PTO TORQUE CONVERTER DRAIN LINE

6-11

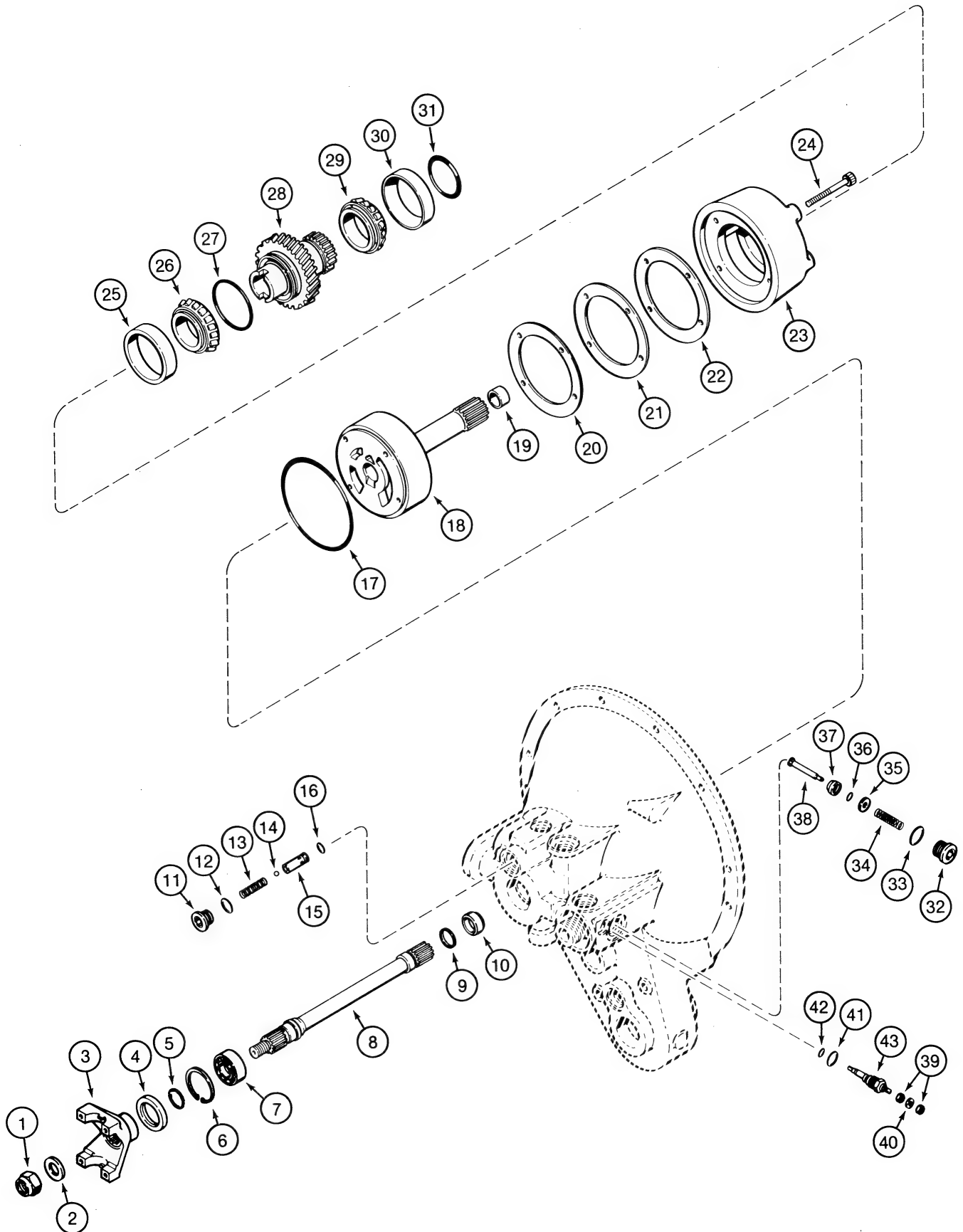
REF.	PART NO.	DESCRIPTION	REQ'D.
1	217-150	ADAPTER - straight, 1/4 stem end x 1/8 inch PT	2
2	L60515	HOSE - 1/4 ID x 41 inch long, drain, torque converter to transaxle	1
3	214-1404	CLAMP - adj, 1/4 - 5/8 inch dia.....	2
4	211-206	BALL - 1/4 inch, grade 50, chrome alloy steel, check (replaces 211-257)	1
5	492-11010	WASHER - lock, No. 10, ball retaining	1
6	L18337	STRAP - nylon, retaining	2



580 Super K Construction King Loader Backhoe
TORQUE CONVERTER HOUSING, PUMP AND OUTPUT SHAFT
WITHOUT PTO

6-13

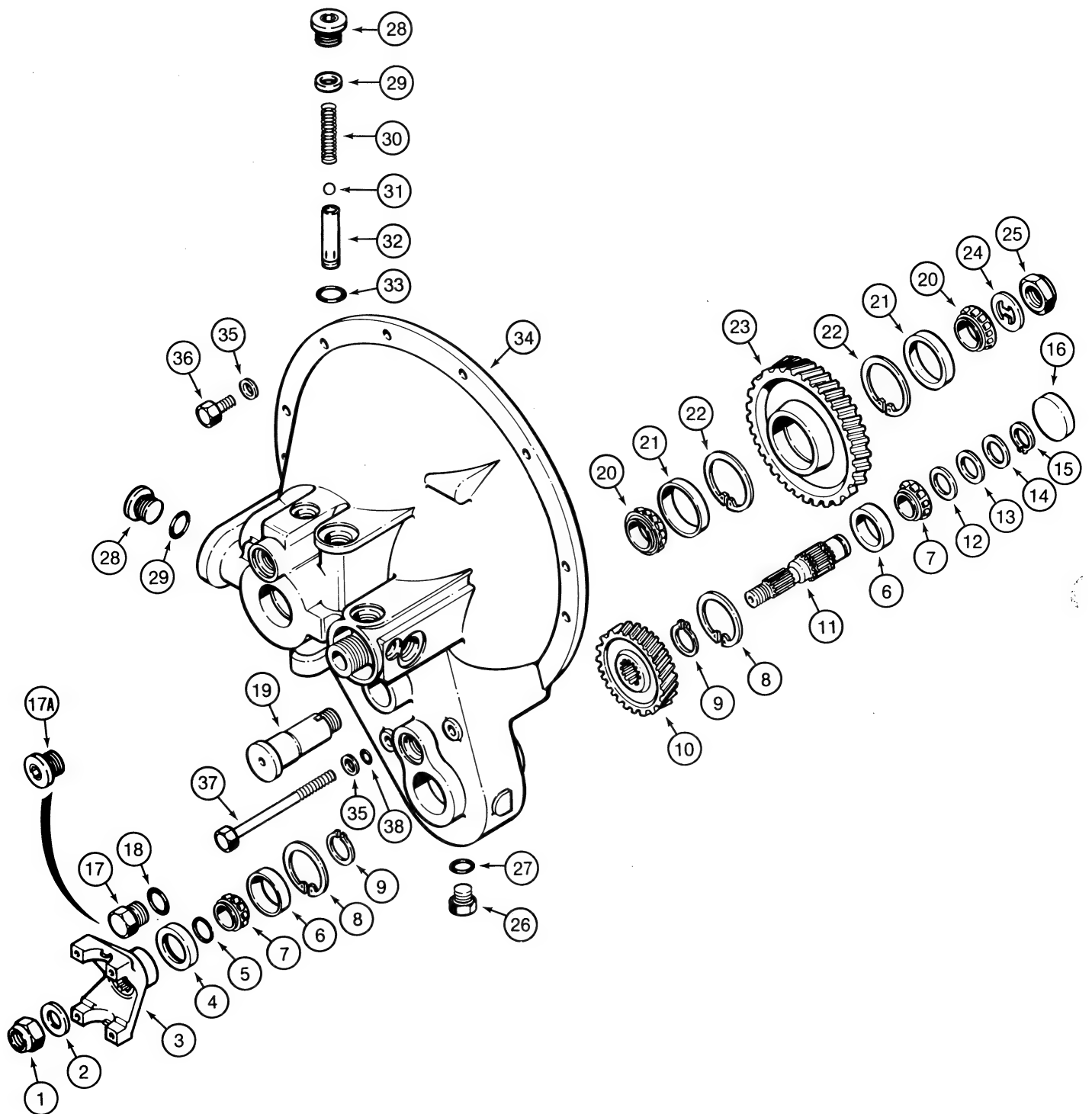
REF.	PART NO.	DESCRIPTION	REQD.
	A186700	HOUSING ASSEMBLY - torque converter, without PTO	1
1	3173953R1	NUT - lock, special.....	1
2	H312652	WASHER - flat, 23 x 38 x 3 mm, if used	1
2	896-12020	WASHER - flat, 22 x 37 x 4 mm, if used	1
3	A159663	YOKE - output, converter	1
4	A175651	SEAL - oil, yoke.....	1
5	238-5212	O-RING - yoke sealing (replaces A159665 O-ring).....	1
6	456736R1	RING - snap, ball bearing (replaces A31078 ring).....	1
7	A31260	BEARING - ball.....	1
8	A186527	SHAFT - output.....	1
9	A158354	RING - oil seal.....	1
10	A178745	SLEEVE - wear, housing	1
11	238-5255	O-RING - 5-5/8 ID x 1/8 inch wide.....	1
12	A186674	PUMP ASSEMBLY - converter, includes items 13 - 15, no longer available, order item 12A, 119994A1 pump.....	1
12A	119994A1	PUMP ASSEMBLY - converter, includes items 13 and 14, does not include item 15, A186708 seal, (replaces 111482A1 pump).....	1
13	A178375	BUSHING - pump housing	1
14	A178367	BUSHING - stator shaft	1
15	A186708	SEAL - oil, pump housing	1
16	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	4
17	826-8065	BOLT - hex, 8 - 1.25 x 65 mm, class 10.9	4
18	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
19	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
20	A188918	SPRING - converter relief valve.....	1
21	211-1012	BALL - 3/8 inch, gr 50, chrome alloy steel, replaces 211-104.....	1
22	A183025	CARTRIDGE - converter relief valve.....	1
23	238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
24	218-5212	PLUG - hex socket, 1-1/16-12 inch O-ring boss	2
25	237-6012	O-RING - 59/64 ID x 1/8 inch wide	1
26	A190345	SPRING - pump relief valve	1
27	211-214	BALL - 1/2 inch, gr 50, chrome alloy steel, replaces 211-102.....	1
28	A183336	CARTRIDGE - pump relief valve	1
29	238-5017	O-RING - 11/16 ID x 1/16 inch wide.....	1
	N6755	INDICATOR ASSEMBLY - restriction, electric.....	1
	N6941	KIT - repair, restriction indicator, no longer available, order items 30 - 33.....	1
30	129-667	NUT - hex, No. 10 NC	2
31	493-21020	WASHER - internal tooth lock, No. 10.....	1
32	237-6006	O-RING - 15/32 ID x 5/64 inch wide, outer	1
33	238-5011	O-RING - 5/16 ID x 1/16 inch wide, inner	1
34	NSS	INDICATOR - restriction, electric	1
	A183347	VALVE ASSEMBLY - filter bypass	1
35	NSS	PLUG - bypass valve.....	1
36	237-6012	O-RING - 59/64 ID x 1/8 inch wide	1
37	NSS	SPRING - bypass valve	1
38	NSS	WASHER - bypass valve	1
39	238-5012	O-RING - 3/8 ID x 1/16 inch wide, valve poppet.....	1
40	NSS	POPPET - bypass valve.....	1
41	NSS	GUIDE - valve spring	1
42	A186703	HOUSING - torque converter	1



580 Super K Construction King Loader Backhoe
TORQUE CONVERTER PUMP AND OUTPUT SHAFT
WITH PTO

6-15

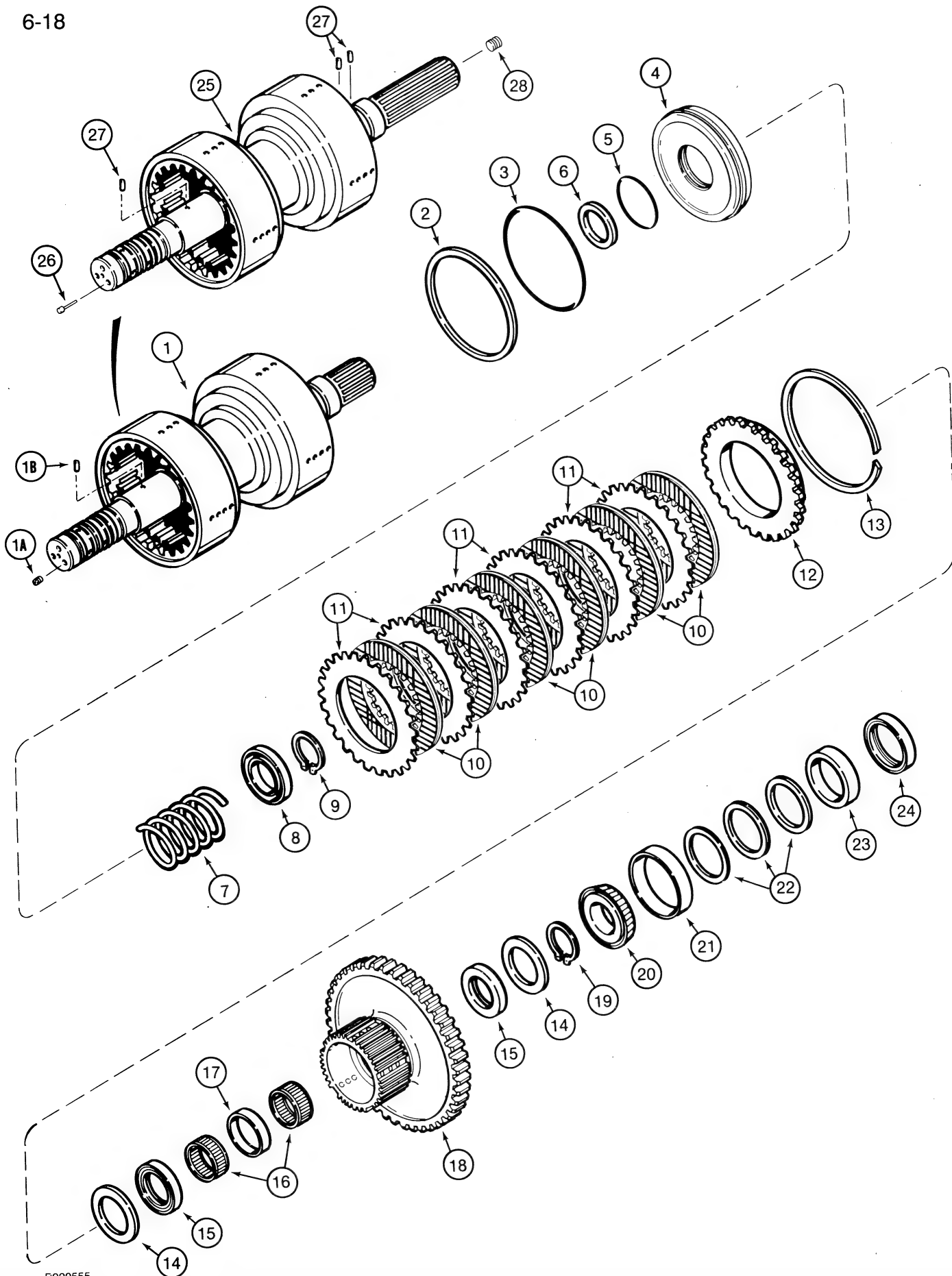
REF.	PART NO.	DESCRIPTION	REQD.
	A186706	HOUSING ASSEMBLY - torque converter, with PTO, complete parts list on pages 6-15 and 6-17 (order component parts).....	1
1	3173953R1	NUT - lock, special.....	1
2	H312652	WASHER - flat, 23 x 38 x 3 mm, if used	1
2	896-12020	WASHER - flat, 22 x 37 x 4 mm, if used	1
3	A159663	YOKE - output, converter	1
4	A175651	SEAL - oil, yoke.....	1
5	238-5212	O-RING - yoke sealing (replaces A159665 O-ring).....	1
6	456736R1	RING - snap, ball bearing (replaces A31078 ring).....	1
7	A31260	BEARING - ball.....	1
8	A186735	SHAFT - output.....	1
9	A158354	RING - oil seal.....	1
10	A178745	SLEEVE - wear, housing	1
11	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
12	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
13	A188918	SPRING - converter relief valve.....	1
14	211-1012	BALL - 3/8 inch, gr 50, chrome alloy steel (replaces 211-104)	1
15	A183025	CARTRIDGE - converter relief valve.....	1
16	238-5015	O-RING - 9/16 ID x 1/16 inch wide.....	1
17	238-5255	O-RING - 5-5/8 ID x 1/8 inch wide.....	1
18	A190102	PUMP ASSEMBLY - torque converter	1
19	A178367	BUSHING - pump.....	1
20	A190155	SHIM - PTO input shaft 0.05 mm	UAR
21	A190151	SHIM - PTO input shaft 0.25 mm	UAR
22	A190110	SHIM - PTO input shaft 0.30 mm	UAR
23	A190005	SUPPORT - PTO input shaft bearing.....	1
24	864-8080	BOLT - hex socket, 8 - 1.25 x 80 mm	4
25	3216620R1	CUP - tapered roller bearing, input gear rear.....	1
26	A190113	BEARING - tapered roller, input gear rear.....	1
27	A190101	SEAL - PTO input gear.....	1
28	A190012	GEAR - PTO input	1
29	A61447	BEARING - tapered roller, input gear front.....	1
30	625743C1	CUP - tapered roller bearing, input gear front (replaces A61446)	1
31	238-5136	O-RING - 2 ID x 3/32 inch wide, input gear to converter hub	1
	A183347	VALVE ASSEMBLY - filter bypass	1
32	NSS	PLUG - bypass valve.....	1
33	237-6012	O-RING - 59/64 ID x 1/8 inch wide	1
34	NSS	SPRING - bpass valve.....	1
35	NSS	WASHER - bypass valve	1
36	238-5012	O-RING - 3/8 ID x 1/16 inch wide, valve poppet.....	1
37	NSS	POPPET - bypass valve.....	1
38	NSS	GUIDE - valve spring.....	1
	N6755	INDICATOR ASSEMBLY - restriction, electric.....	1
	N6941	KIT - repair, restriction indicator, no longer available, order items 39 - 42.....	1
39	129-667	NUT - hex, No. 10 NC, chamfered	2
40	493-21020	WASHER - internal tooth lock, No. 10.....	1
41	237-6006	O-RING - 15/32 ID x 5/64 inch wide, outer	1
42	238-5011	O-RING - inner	1
43	NSS	INDICATOR - restriction, electric.....	1



580 Super K Construction King Loader Backhoe
TORQUE CONVERTER HOUSING AND GEARS
WITH PTO

6-17

REF.	PART NO.	DESCRIPTION	REQD.
	A186706	HOUSING ASSEMBLY - torque converter, with PTO, continued, complete parts list on pages 6-15 and 6-17 (order component parts).....	1
1	3173953R1	NUT - lock, prevailing torque	1
2	H312652	WASHER - flat, 23 x 38 x 3 mm, if used	1
2	896-12020	WASHER - flat, 22 x 37 x 4 mm, if used	2
3	A159663	YOKE - output shaft	1
4	A175651	SEAL - oil.....	1
5	238-5212	O-RING - yoke sealing (replaces A159665 O-ring).....	1
6	572564R1	CUP - tapered roller bearing, PTO output shaft, replaces D29267	2
7	D29266	BEARING - tapered roller, PTO output shaft	2
8	103-21200	RING - internal retaining, No. 200, PTO output shaft, (replaces D28436 ring).....	2
9	1277307C1	RING - snap, output gear to shaft	2
10	A190022	GEAR - PTO output.....	1
11	A190054	GEAR - PTO idler	1
12	A190179	SHIM - PTO output shaft front bearing 0.1 mm	UAR
13	A190180	SHIM - PTO output shaft front bearing 0.15 mm	UAR
14	A190181	SHIM - PTO output shaft front bearing 1.0 mm	UAR
15	A34428	RING - snap (order 100-1698).....	1
15	100-1698	RING - retaining, heavy duty external, No. 98, PTO output shaft (replaces A34428 ring).....	1
16	41-1036	PLUG - core hole, 2-1/4 inch, PTO output shaft opening.....	1
17	218-5158	PLUG - hex, 1-1/16-12 inch O-ring boss, if used, includes item 18, O-ring.....	1
17A	218-5212	PLUG - hex socket, 1-1/16-12 inch O-ring boss, if used.....	1
18	237-6012	O-RING - 59/64 ID x 1/8 inch.....	1
19	A190112	SHAFT - PTO idler.....	1
20	651818R91	BEARING - tapered roller, inner input shaft, replaces B12409	2
21	651817R1	CUP - tapered roller bearing, inner input shaft, replaces B12408	2
22	100-21231	RING - internal retaining, No. 231, idler gear to bearings, (replaces 216389R1 ring).....	2
23	A190021	GEAR - PTO idler	1
24	A175799	WASHER - PTO idler shaft.....	1
25	A175798	NUT - adjusting	1
26	218-5155	PLUG - hex, 9/16-18 inch O-ring boss	1
27	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
28	218-5212	PLUG - hex socket, 1-1/16-12 inch O-ring boss	2
29	237-6012	O-RING - 59/64 ID x 1/8 inch wide	1
30	A190345	SPRING - pump relief valve	1
31	211-214	BALL - 1/2 inch, grade 50, chrome alloy steel.....	1
32	A183336	CARTRIDGE - pump relief valve	1
33	238-5017	O-RING - 11/16 ID x 1/16 inch wide, spring guide	1
34	A190081	HOUSING - torque converter	1
35	895-11010	WASHER - flat, 11 x 21 x 2 mm	12
36	628-10030	BOLT - hex, 10 - 1.5 x 30 mm, class 10.9.....	10
37	814-10160	BOLT - hex, 10 - 1.5 x 160 mm.....	2
38	K626521	O-RING - sealing.....	2

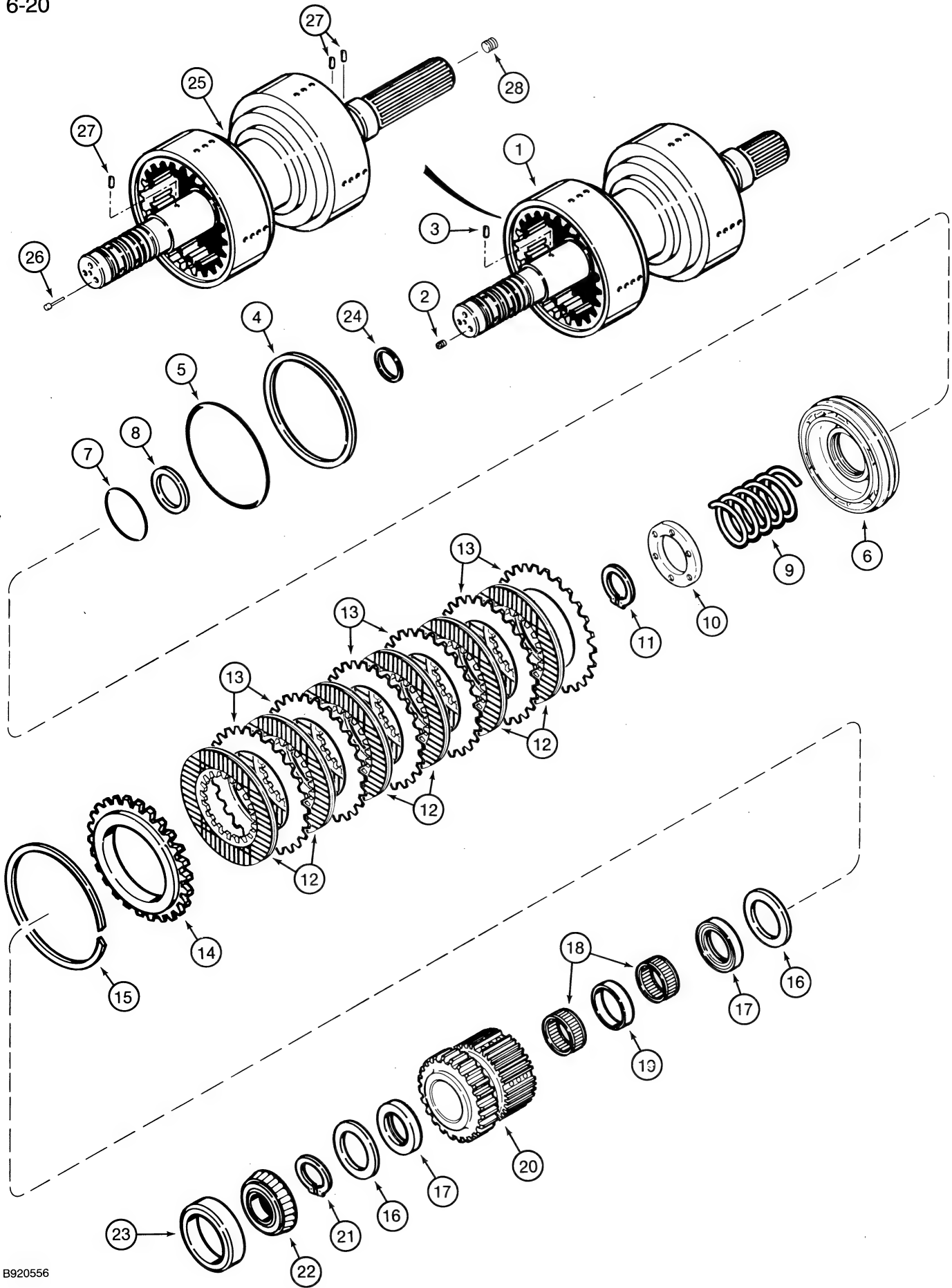


TRANSAXLE ASSEMBLY

POWER SHUTTLE

INPUT SHAFT AND FORWARD CLUTCH

REF.	PART NO.	DESCRIPTION	REQD.
	A190502	TRANSAXLE ASSEMBLY - complete, 2 wheel drive without PTO only, includes parts listed on pages 6-19 - 6-27 and 6-63 - 7-5 (order component parts).....	1
	1345899C1	TRANSAXLE ASSEMBLY - complete, 2 wheel drive with PTO only, includes parts listed on pages 6-19 - 6-27 and 6-63 - 7-5 (order component parts).....	1
	1345875C1	TRANSAXLE ASSEMBLY - complete, 4 wheel drive without PTO only, includes parts listed on pages 6-19 - 6-27 and 6-63 - 7-5 (order component parts).....	1
	1345898C1	TRANSAXLE ASSEMBLY - complete, 4 wheel drive with PTO only, includes parts listed on pages 6-19 - 6-27 and 6-63 - 7-5 (order component parts).....	1
	A190449	SHAFT ASSEMBLY - input, 440 mm long, if used (order 1995409C1, see items 25-28)	1
1	A190342	SHAFT - input spline 44 mm long, shuttle.....	1
1A	83-3446	SCREW - set, hex socket, 7/16 NC x 3/8 inch.....	3
1B	138-294	PIN - roll, 1/8 x 1/4 inch.....	2
2	A158051	SEAL - piston, external.....	1
3	238-5156	O-RING - piston, external (replaces A158050 O-ring).....	1
4	A159292	PISTON - clutch.....	1
5	238-5137	O-RING - piston, internal (replaces A159296 O-ring).....	1
6	A159297	SEAL - piston, internal.....	1
7	A188842	SPRING - piston, return.....	1
8	A186965	RETAINER - spring.....	1
9	100-16156	RING - external retaining, No. 156, (replaces A144595 ring).....	1
10	A188946	PLATE - clutch, friction.....	6
11	A175806	PLATE - clutch, separator.....	6
12	1997122C1	PLATE - clutch, backing, (replaces A178020 plate).....	1
13	A158227	RING - retaining, backing plate.....	1
14	A159463	WASHER - thrust.....	2
15	A175486	BEARING - thrust.....	2
16	A175487	BEARING - roller, needle.....	2
17	A175489	SPACER - bearing.....	1
18	1995222C1	GEAR - forward, with hub, 81 teeth, welded (replaces A190296 cast gear).....	1
19	100-16150	RING - external retaining, No. 150, (replaces T37909 ring).....	1
20	A188709	BEARING - tapered roller.....	1
21	61801C1	CUP - tapered roller bearing.....	1
22	A159443	SHIM - input shaft bearing, 0.0762 mm.....	UAR
22	A159442	SHIM - input shaft bearing, 0.127 mm.....	UAR
22	A159441	SHIM - input shaft bearing, 0.1778 mm.....	UAR
22	A188792	SHIM - input shaft bearing, 0.5 mm.....	UAR
23	A175690	SPACER - input shaft.....	1
24	A158371	SEAL - oil, input shaft.....	1
	1995409C1	SHAFT ASSEMBLY - input, 466 mm long, also includes items 2-13 above, if used.....	1
25	1995408C1	SHAFT - input spline 70 mm long, shuttle.....	1
26	1342851C1	PLUG - expansion.....	3
27	38-1804	PIN - roll, 1/8 x 1/4 inch.....	3
28	178-495	SCREW - set, hex socket, 5/8 NC x 5/8 inch.....	1



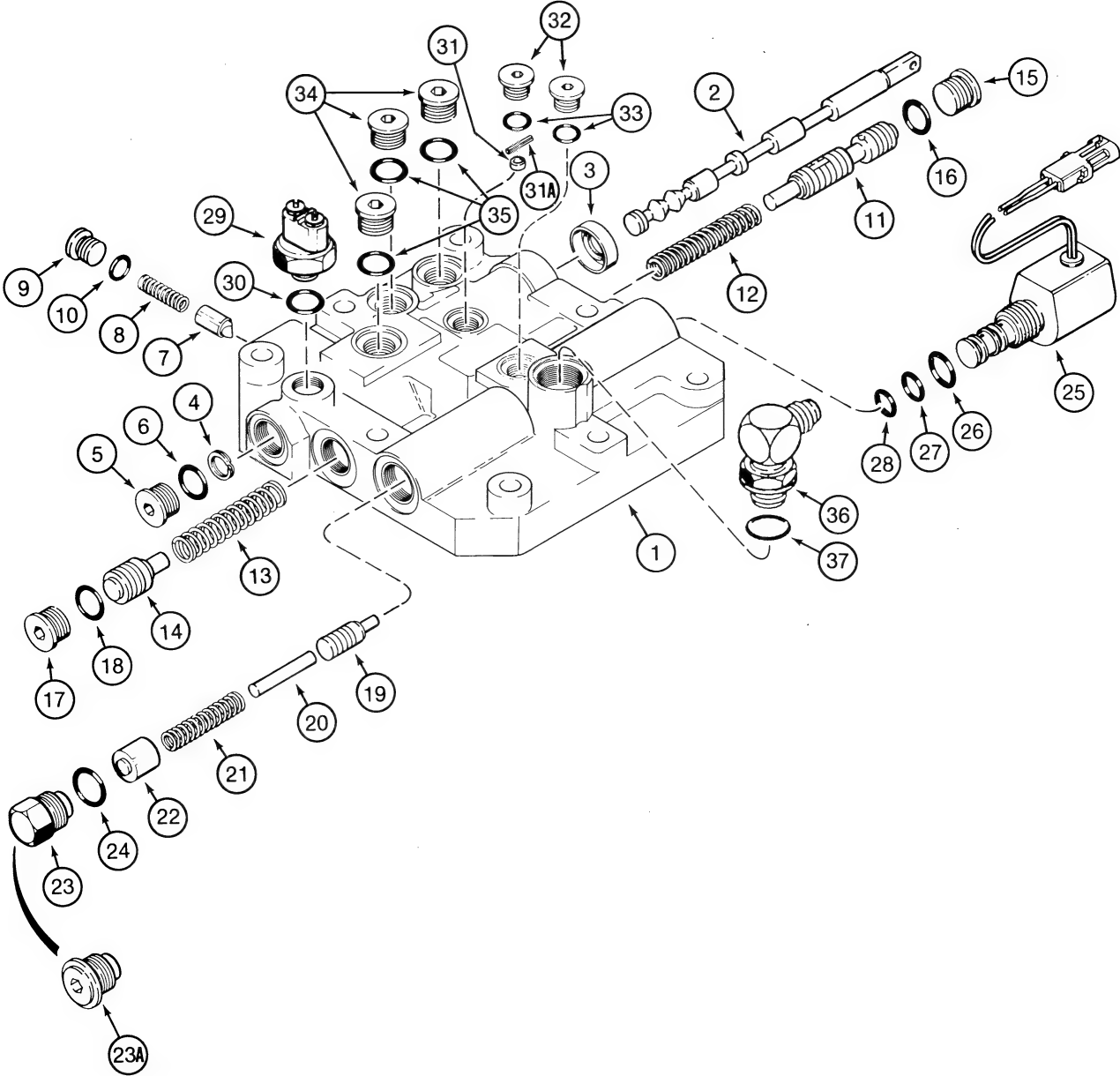
TRANSAXLE ASSEMBLY

POWER SHUTTLE

REVERSE CLUTCH

REF.	PART NO.	DESCRIPTION	REQ'D.
	A190449	SHAFT ASSEMBLY - reverse clutch, 440 mm long, if used (order 1995409C1, see items 25-28)	1
1	A190342	SHAFT - input spline 44 mm long, reverse clutch, shuttle.....	1
2	83-3446	SCREW - set, hex socket, 7/16 NC x 3/8 inch	3
3	138-294	PIN - roll, 1/8 x 1/4 inch.....	2
4	A158051	SEAL - piston, external.....	1
5	238-5156	O-RING - piston, external (replaces A158050 O-ring).....	1
6	A159292	PISTON - clutch.....	1
7	238-5137	O-RING - piston, internal (replaces A159296 O-ring)	1
8	A159297	SEAL - piston, internal.....	1
9	A188842	SPRING - piston, return.....	1
10	A186965	RETAINER - spring.....	1
11	100-16156	RING - external retaining, No. 156, (replaces A144595 ring).....	1
12	A188946	PLATE - clutch, friction.....	6
13	A175806	PLATE - clutch, separator	6
14	1997122C1	PLATE - clutch, backing, (replaces A178020 plate).....	1
15	A158227	RING - retaining, backing plate	1
16	A159463	WASHER - thrust.....	2
17	A175486	BEARING - thrust.....	2
18	A175487	BEARING - roller, needle	2
19	A175489	SPACER - bearing.....	1
20	1995220C1	GEAR - reverse, with hub, 25 teeth, welded (replaces A190297 cast gear).....	1
21	100-16150	RING - external retaining, No. 150, (replaces T37909 ring).....	1
22	A188709	BEARING - tapered roller.....	1
23	61801C1	CUP - tapered roller bearing.....	1
24	A175509	RING - sealing, shaft.....	4
	1995409C1	SHAFT ASSEMBLY - reverse clutch, 466 mm long, also includes items 4-15 above, if used	1
25	1995408C1	SHAFT - input spline 70 mm long, reverse clutch, shuttle.....	1
26	1342851C1	PLUG - expansion	3
27	38-1804	PIN - roll, 1/8 x 1/4 inch.....	3
28	178-495	SCREW - set, hex socket, 5/8 NC x 5/8 inch	1

NOTE: For correct complete transaxle assembly part number
see page 6-19.



TRANSAXLE ASSEMBLY

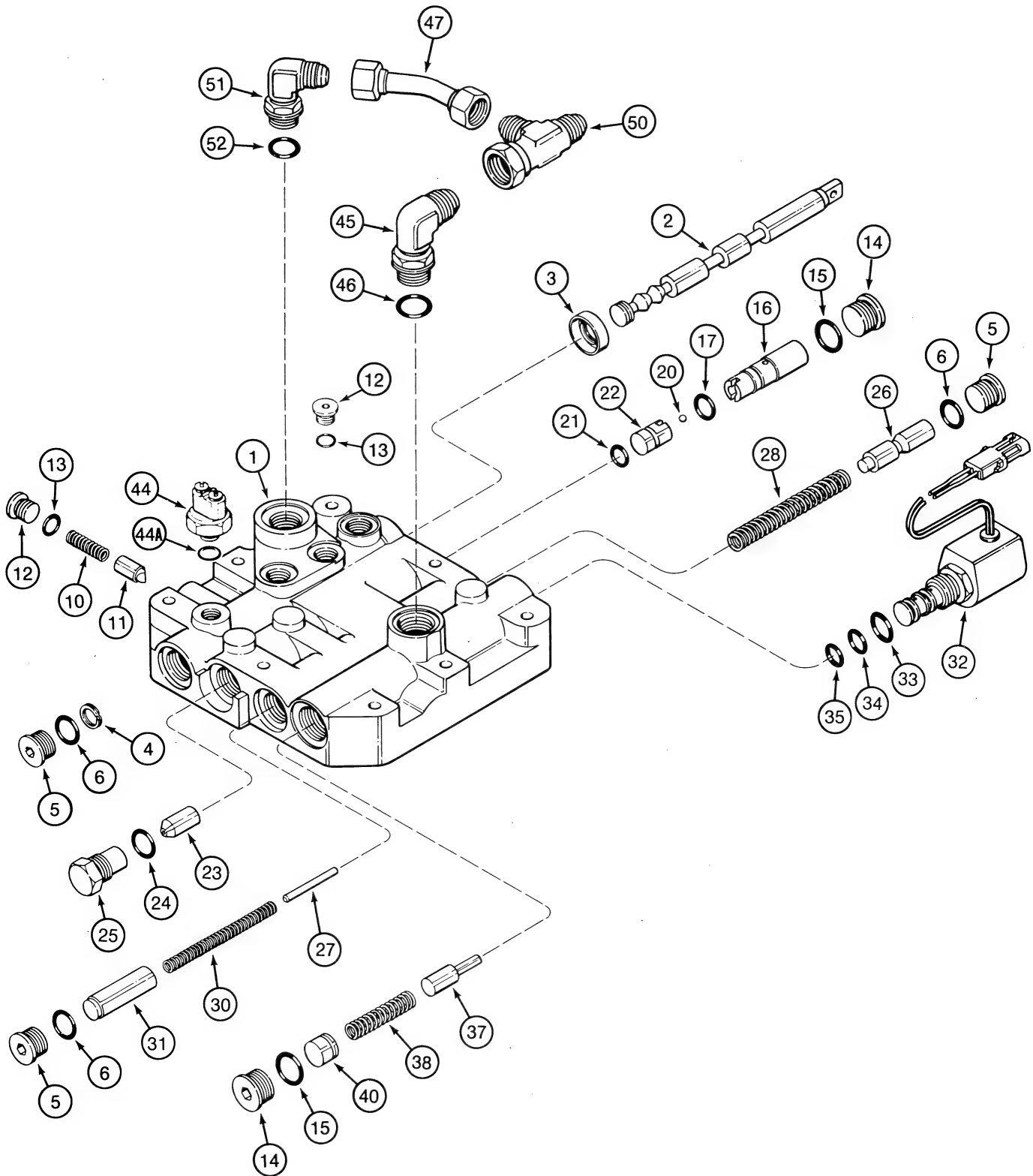
POWER SHUTTLE

VALVE ASSEMBLY WITH PTO

REF.	PART NO.	DESCRIPTION	REQD.
	1343544C3	VALVE ASSEMBLY - power shuttle.....	1
1	NSS	BODY - shuttle valve	1
2	1343540C1	SPOOL - selector	1
3	A37558	SEAL - oil, shuttle valve.....	1
4	A175093	RING - retaining, spool	1
5	218-5210	PLUG - hex socket, 3/4-16 inch O-ring boss	1
6	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
7	1343539C1	PLUNGER - detent	1
8	1343535C1	SPRING - detent	1
9	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss	1
10	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
11	1986755C1	SPOOL - modulator.....	1
12	1343533C1	SPRING - modulator, inner	1
13	1343532C1	SPRING - modulator, outer	1
14	1343541C1	PISTON - modulator	1
15	218-5210	PLUG - hex socket, 3/4-16 inch O-ring boss	1
16	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
17	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
18	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
19	1343537C1	SPOOL - pressure regulator.....	1
20	20133R1	PIN - pressure regulator	1
21	1343534C1	SPRING - pressure regulator	1
22	A188228	PISTON - regulator	1
23	1980155C1	PLUG - hex, 7/8-14 inch thread, no longer available, order item 23A, 1542607C1 plug.....	1
23A	1542607C1	PLUG - hex socket, 7/8-14 inch thread	1
24	237-6010	O-RING - 3/4 ID x 3/32 inch.....	1
25	1971438C3	VALVE ASSEMBLY - solenoid	1
26	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
27	238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
28	238-5014	O-RING - 1/2 ID x 1/16 inch wide	1
29	1983241C1	SWITCH - neutral start	1
30	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
31	1343538C1	PLUG - cup, oil restrictor	1
31A	38-12008	PIN - slotted spring, 5/16 x 1/2 inch.....	1
32	218-5206	PLUG - hex socket, 3/8-24 inch O-ring boss	2
33	237-6003	O-RING - 19/64 ID x 1/16 inch wide	1
34	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss	3
35	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
36	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss.....	1
37	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1

NOTE: For valve mounting see page 6-63 and 6-65.

NOTE: For correct complete transaxle assembly part number see page 6-19.



TRANSAXLE ASSEMBLY

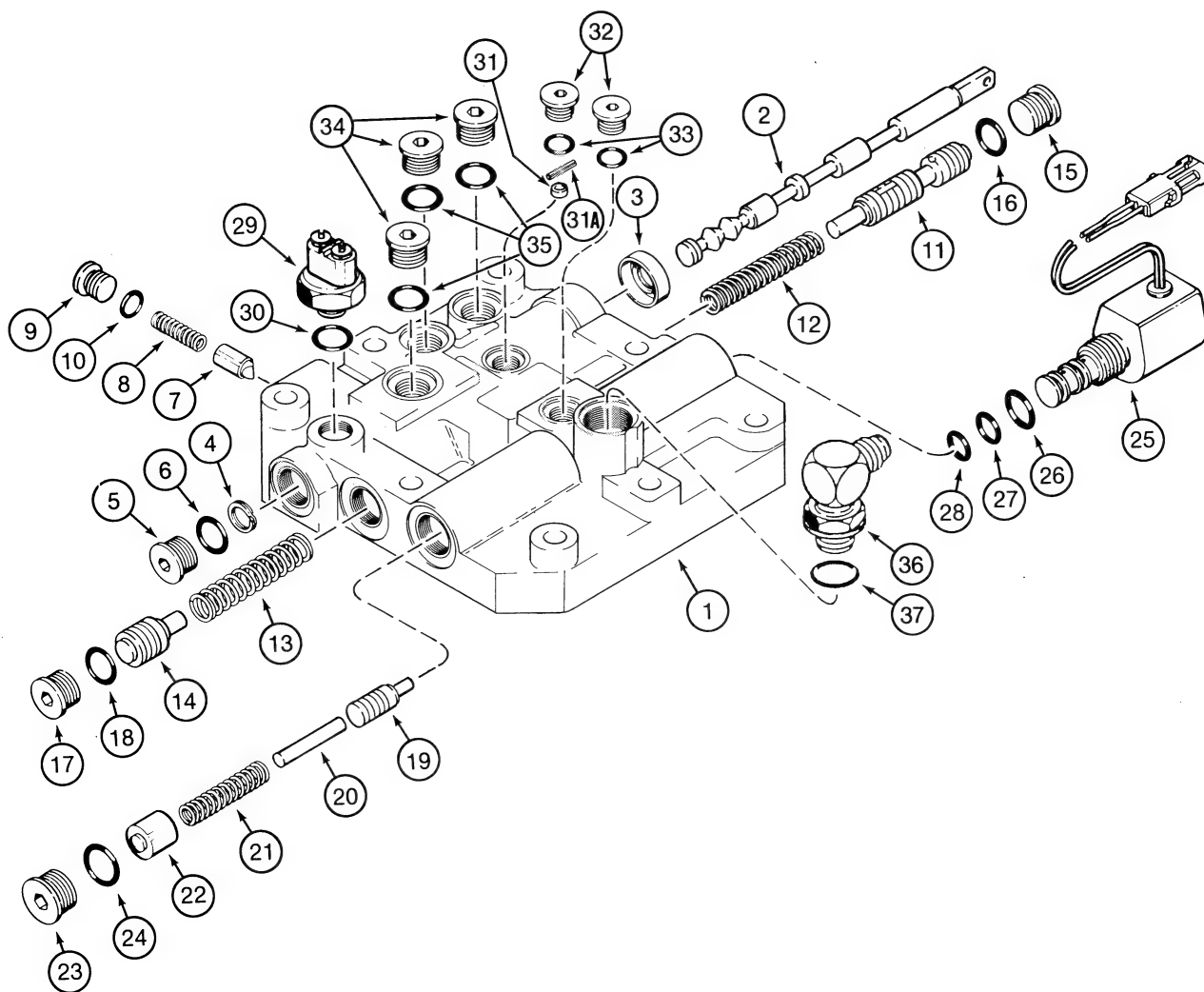
POWER SHUTTLE

VALVE ASSEMBLY WITHOUT PTO

REF.	PART NO.	DESCRIPTION	REQD.
	1978113C2	VALVE ASSEMBLY - power shuttle, if used, see valve assembly on page 6-27, no longer available, order 1343543C2 on page 6-27.....	1
1	NSS	BODY - shuttle valve (Order 1978113C2).....	1
2	A178266	SPOOL - selector	1
3	A37558	SEAL - oil.....	1
4	A175093	RING - retaining.....	1
5	218-5210	PLUG ASSEMBLY - hex socket, 3/4-16 inch thread	3
6	237-6008	O-RING - 41/64 x 3/32 inch.....	1
10	A183672	SPRING - detent.....	1
11	A175081	PLUNGER - detent	1
12	218-5209	PLUG ASSEMBLY - hex socket, 9/16-18 inch thread	4
13	237-6006	O-RING - 15/32 x 5/64 inch.....	1
14	218-5211	PLUG ASSEMBLY - hex socket, 7/8-14 inch thread	2
15	237-6010	O-RING - 3/4 x 3/32 inch.....	1
16	A178349	SEAT - shuttle.....	1
17	A179308	O-RING - 5/8 ID x 3/4 OD x 1/16 inch.....	1
20	211-206	BALL - steel, 1/4 inch OD	1
21	238-5015	O-RING - 9/16 x 1/16 inch, replaces D26265	1
22	A178384	SEAT - shuttle.....	1
23	A186846	SPOOL - auto modulator unloading	1
24	237-6008	O-RING - 41/64 x 3/32 inch	1
25	A178264	SEAT - unloading spool.....	1
26	A178265	SPOOL - modulator pressure regulator, replaces 1980336C1	1
27	A188112	PIN - spacer	1
28	1978109C1	SPRING - modulator, primary	1
30	1978108C1	SPRING - modulator, secondary.....	1
31	A186439	PISTON ASSEMBLY - accumulator.....	1
32	1971438C3	VALVE ASSEMBLY - solenoid.....	1
33	237-6010	O-RING - 3/4 ID x 3/32 inch.....	1
34	238-5015	O-RING - 9/16 ID x 1/16 inch, replaces 371544R1	1
35	238-5014	O-RING - 1/2 ID x 1/16 inch wide	1
37	1978388C1	SPOOL - pressure regulator.....	1
38	A175782	SPRING - pressure regulator	1
40	A188228	PISTON - regulator	1
44	1983241C1	SWITCH - neutral start	1
44A	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
45	218-5107	ELBOW - 90 degree, 5/8 tube x 7/8-14 inch thread.....	1
46	237-6010	O-RING - 5/8 x 3/4 x 3/32 inch	1
47	A186964	TUBE - lube crossover.....	1
50	218-5486	TEE - adj, 7/8-14 inch thread x 5/8 tube x 3/4-16 inch thread	1
51	218-5106	ELBOW - 90 degree, 1/2 tube x 3/4-16 inch thread.....	1
52	237-6008	O-RING - 41/64 x 3/32 inch.....	1

NOTE: For valve mounting see page 6-63 and 6-65.

NOTE: For correct complete transaxle assembly part number see page 6-19.



TRANSAXLE ASSEMBLY

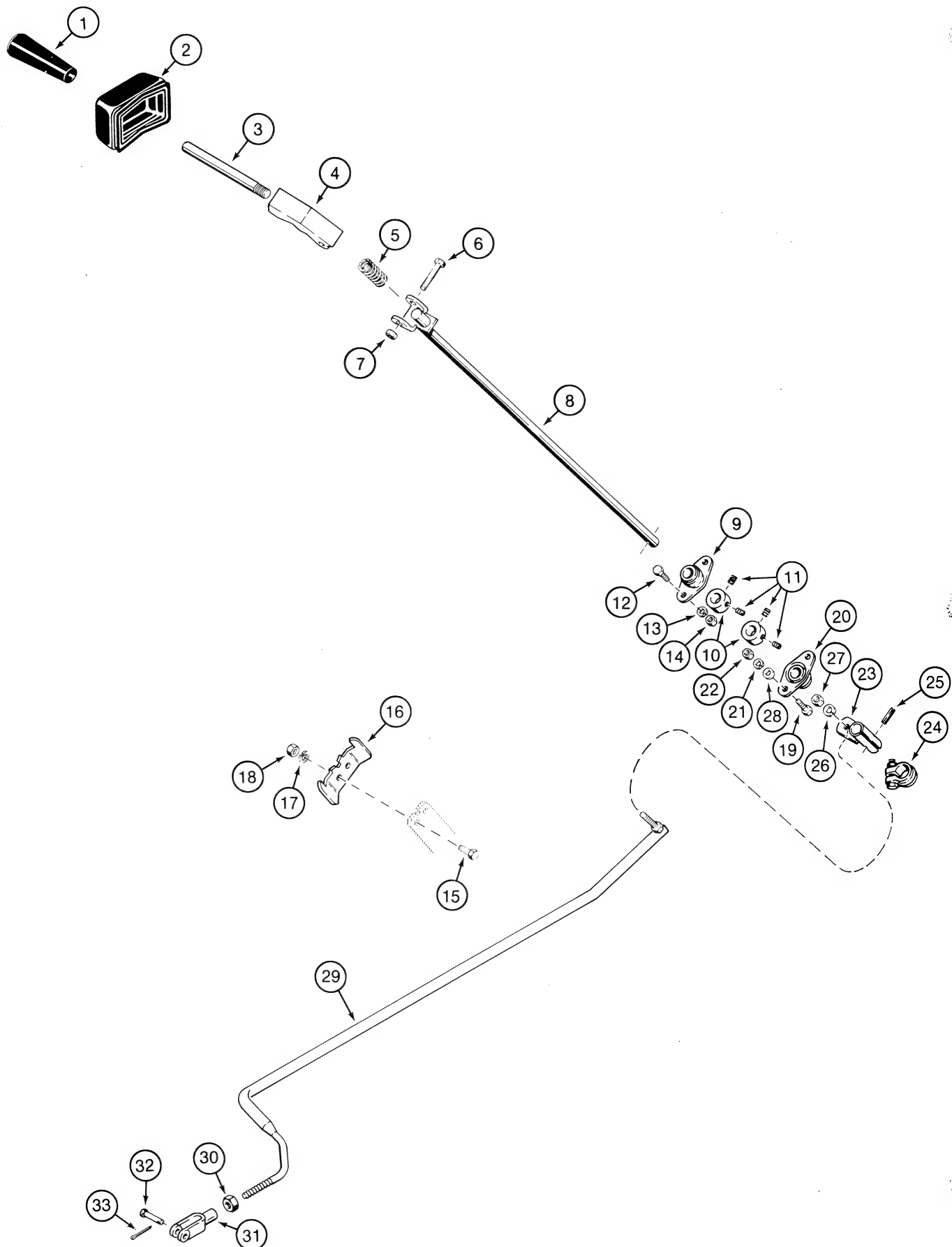
POWER SHUTTLE

VALVE ASSEMBLY WITHOUT PTO

REF.	PART NO.	DESCRIPTION	REQ'D.
	1343543C2	VALVE ASSEMBLY - power shuttle, if used, see valve on page 6-25....	1
1	NSS	BODY - shuttle valve	1
2	1343540C1	SPOOL - selector	1
3	A37558	SEAL - oil, shuttle valve.....	1
4	A175093	RING - retaining, spool	1
5	218-5210	PLUG - hex socket, 3/4-16 inch O-ring boss	1
6	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
7	1343539C1	PLUNGER - detent	1
8	1343535C1	SPRING - detent.....	1
9	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss	1
10	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
11	1986755C1	SPOOL - modulator pressure	1
12	1343533C1	SPRING - modulator, inner	1
13	1343532C1	SPRING - modulator, outer	1
14	1343541C1	PISTON - modulator	1
15	218-5210	PLUG - hex socket, 3/4-16 inch O-ring boss	1
16	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
17	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
18	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
19	1343537C1	SPOOL - pressure regulator.....	1
20	20133R1	PIN - pressure regulator.....	1
21	1343534C1	SPRING - pressure regulator	1
22	A188228	PISTON - regulator	1
23	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
24	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
25	1971438C3	VALVE ASSEMBLY - solenoid	1
26	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
27	238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
28	238-5014	O-RING - 1/2 ID x 1/16 inch wide	1
29	1983241C1	SWITCH - neutral start	1
30	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
31	1343538C1	PLUG - cup, oil restrictor	1
31A	38-12008	PIN - slotted spring, 5/16 x 1/2 inch.....	1
32	218-5206	PLUG - hex socket, 3/8-24 inch O-ring boss	2
33	237-6003	O-RING - 19/64 ID x 1/16 inch wide	1
34	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss	3
35	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
36	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss.....	1
37	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1

NOTE: For valve mounting see page 6-63 and 6-65.

NOTE: For correct complete transaxle assembly part number see page 6-19.

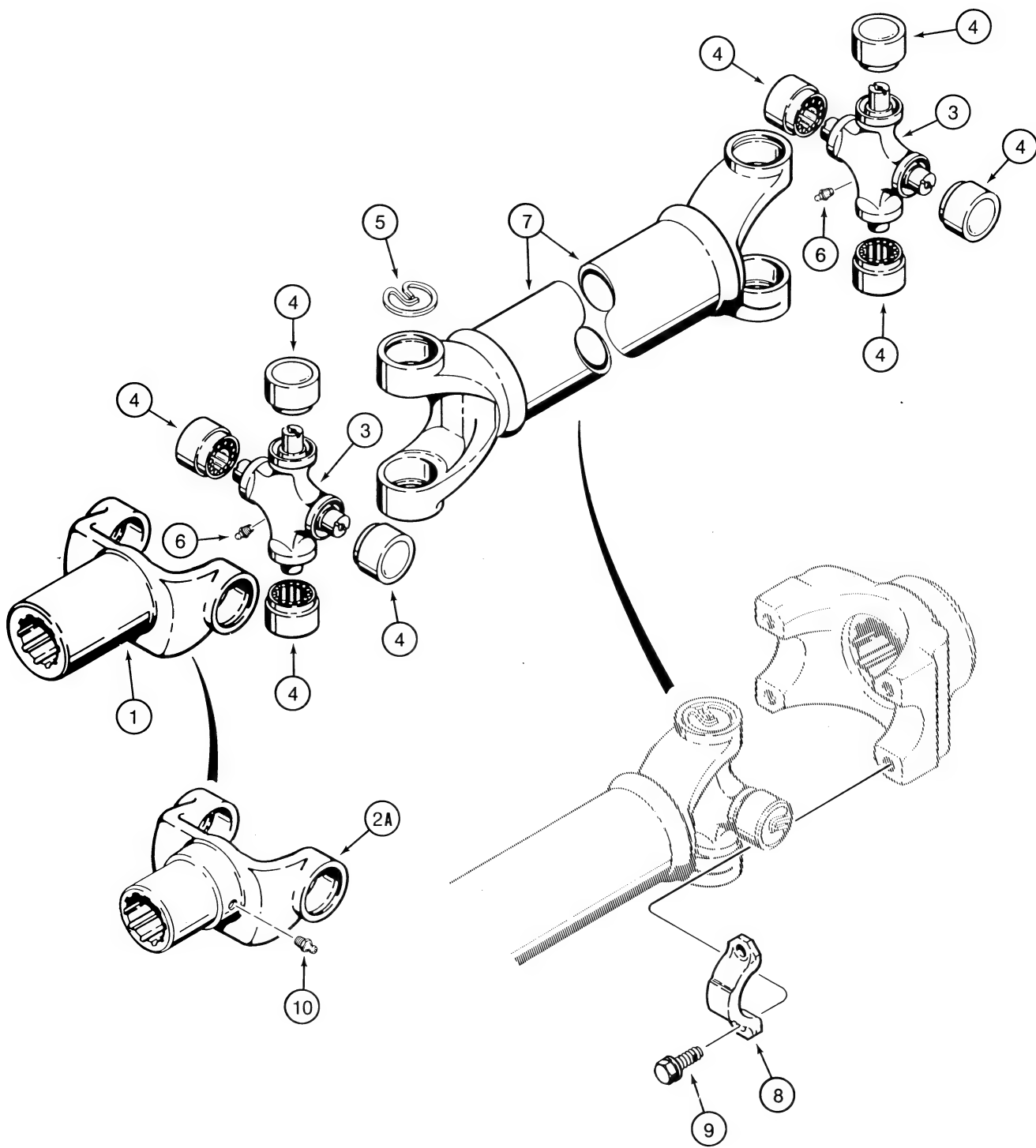


580 Super K Construction King Loader Backhoe

SHUTTLE CONTROL AND LINKAGE

6-29

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D86694	KNOB - shuttle control lever.....	1
2	D141958	BOOT - shuttle control rod.....	1
3	D131414	ROD - shuttle control lever.....	1
4	D134343	LEVER - shuttle control, upper.....	1
5	D124906	SPRING - detent.....	1
6	413-636	BOLT - hex, 3/8 NC x 2-1/4 inch.....	1
7	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	1
8	D136701	ROD - control lever.....	1
9	L15401	BEARING - steering valve bracket.....	1
10	D142939	COLLAR ASSEMBLY - locking, with 5/16 inch set screw.....	2
11	D143603	SCREW - set, torx socket headless, 5/16 NC x 5/16 inch, cup point, special.....	2
12	413-512	BOLT - hex, 5/16 NC x 3/4 inch.....	2
13	492-11031	WASHER - lock, 5/16 inch.....	2
14	425-105	NUT - hex, 5/16 inch NC.....	2
15	413-612	BOLT - hex, 3/8 NC x 3/4 inch.....	2
16	D140692	PLATE - detent.....	1
17	492-11038	WASHER - lock, 3/8 inch.....	2
18	425-106	NUT - hex, 3/8 inch NC.....	2
19	413-512	BOLT - hex, 5/16 NC x 3/4 inch.....	2
20	L15401	BEARING - steering valve bracket.....	1
21	492-11031	WASHER - lock, 5/16 inch.....	2
22	425-105	NUT - hex, 5/16 inch NC.....	2
23	D136702	LEVER - shuttle, lower.....	1
24	D71880	CLAMP - adjustable, includes hardware.....	1
25	138-150	PIN - roll, 5/16 x 13/16 inch.....	1
26	492-11038	WASHER - lock, 3/8 inch.....	1
27	425-116	NUT - hex, 3/8 inch NF.....	1
28	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch.....	2
	D150736	ROD ASSEMBLY - shuttle control (replaces D147492 rod).....	1
29	NSS	ROD - shuttle control.....	1
30	425-116	NUT - hex, 3/8 inch NF.....	1
31	D150720	CLEVIS - special (replaces D148029 clevis).....	1
32	427-4121	PIN - clevis, 1/4 x 1-7/32 inch, hardened, replaces 141-62.....	1
33	432-48	PIN - cotter, 1/16 x 1/2 inch.....	1



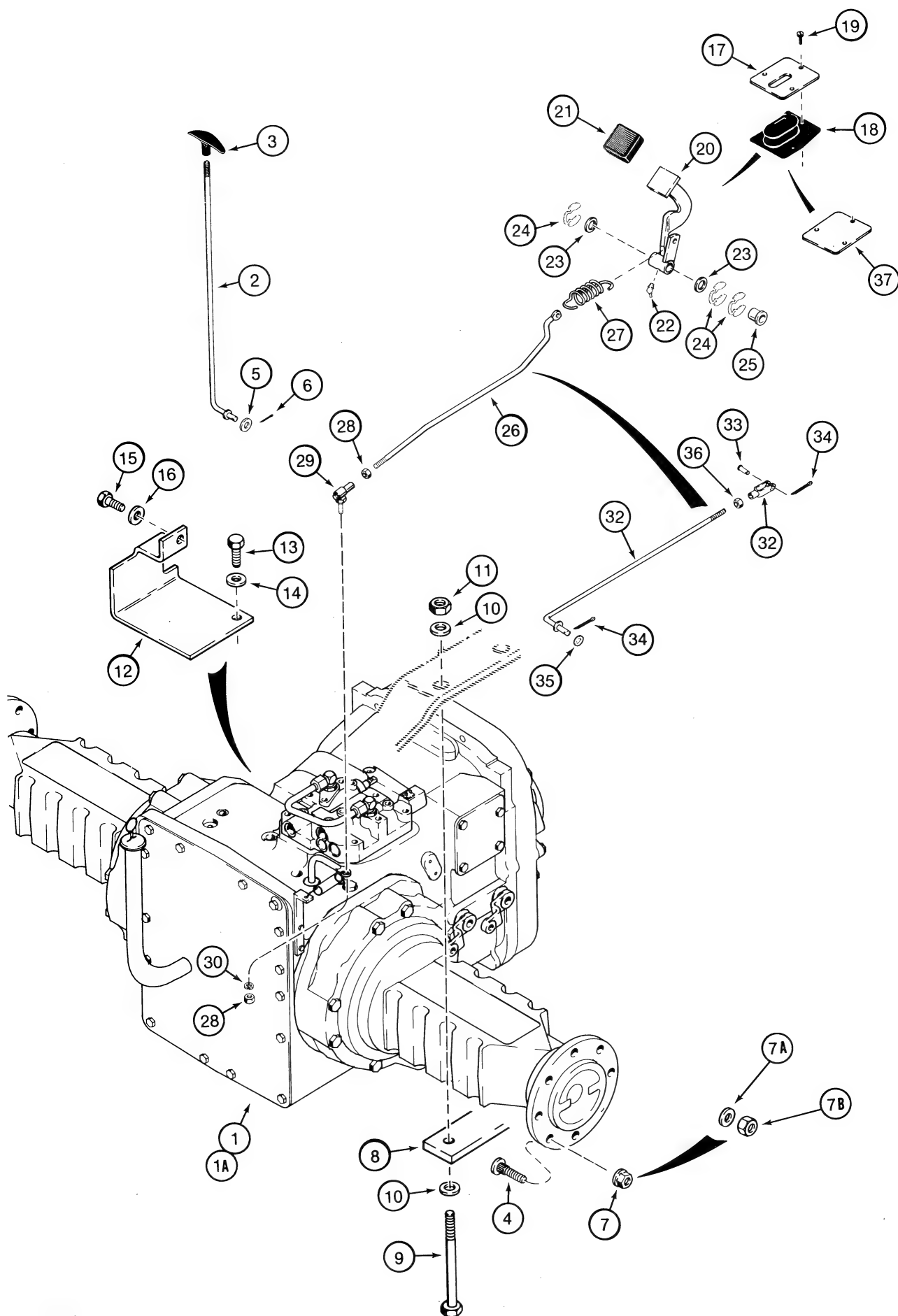
DRIVE SHAFT

POWER SHUTTLE TO TRANSAXLE

REF.	PART NO.	DESCRIPTION	REQD.
	D129436	SHAFT ASSEMBLY - primary, drive, to transaxle, used on models without PTO.....	1
	*D147314	SHAFT ASSEMBLY - primary, drive, to transaxle, used in addition to D148969 shaft on models with PTO.....	1
	*D148969	SHAFT ASSEMBLY - drive, input, to transaxle, used in addition to D147314 shaft on models with PTO.....	1
1	N14231	YOKE - end, to transaxle, D129436 or D147314 drive shaft	1
2	N13653	PLUG - grease, not shown.....	1
2A	D149263	YOKE - end, to transaxle, D148969 drive shaft only	1
	N14230	KIT - universal joint.....	2
3	NSS	JOINT - universal, drive shaft.....	1
4	NSS	BEARING - universal joint.....	4
5	11256	RING - retaining	4
6	219-10	FITTING - grease, straight, 1/4-28 taper x 11/16 inch.....	1
7	NSS	SHAFT - drive, power shuttle	1
8	D124146	STRAP - bearing	2
9	D124151	BOLT - special	4
10	219-20	FITTING - grease, straight, 1/4-28 x 1/2 inch, D148969 drive shaft yoke only	1

NOTE: See page 6-39 for PTO drive shaft guard and mounting hardware, items 27 through 34.

NOTE: It is necessary to use a grease gun needle nozzle adapter (Case part number D51765 or Lincoln number 5803) to lubricate drive shafts.

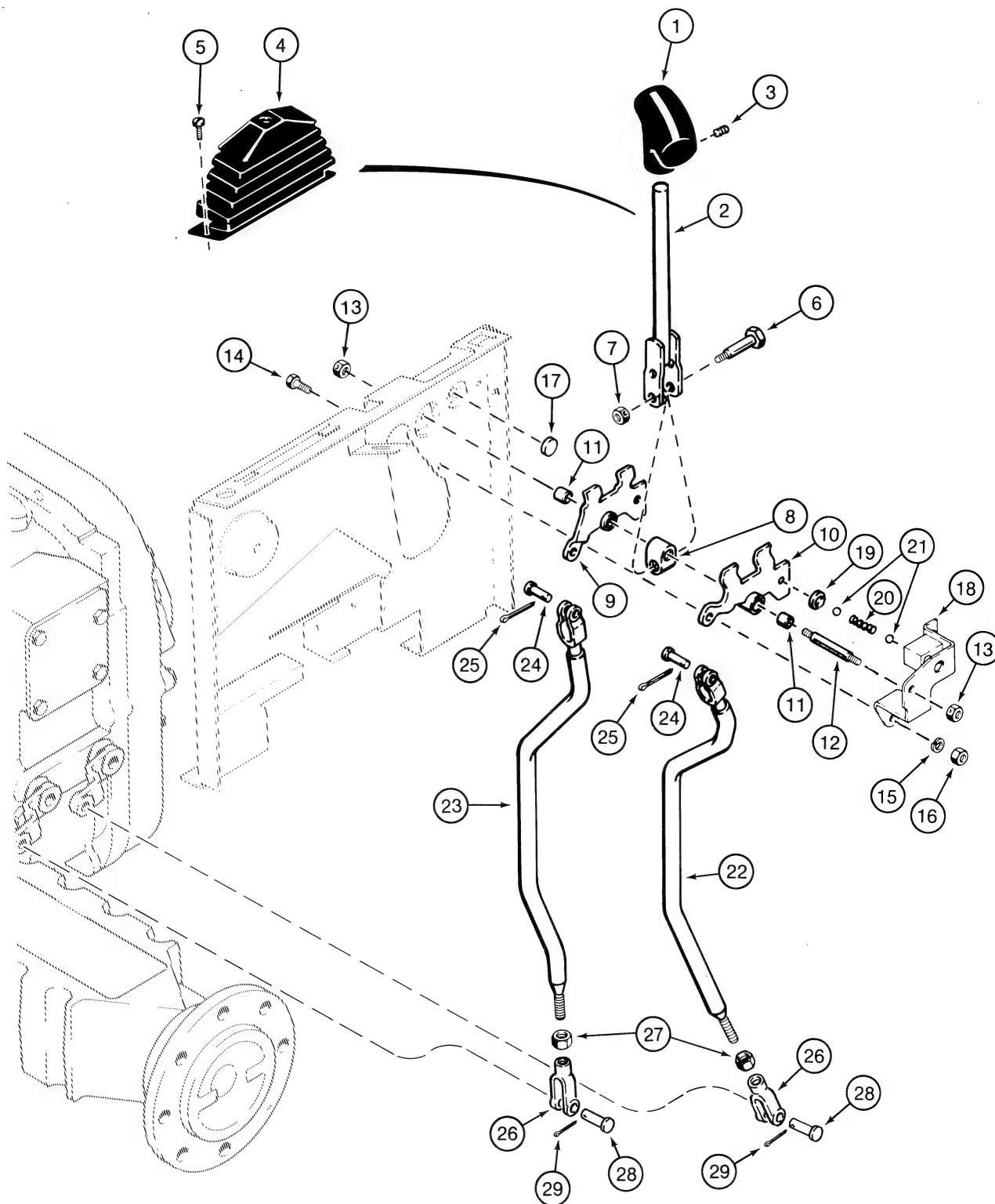


580 Super K Construction King Loader Backhoe

TRANSAXLE AND DIFFERENTIAL LOCK

6-33

REF.	PART NO.	DESCRIPTION	REQD.
1	A190502	TRANSAXLE ASSEMBLY - two wheel drive, used on models without PTO, parts list pages 6-19 - 6-27 and 6-63 - 7-5 (order component parts)	1
1	1345899C1	TRANSAXLE ASSEMBLY - two wheel drive, used on models with PTO, parts list pages 6-19 - 6-27 and 6-63 - 7-5, not shown (order component parts)	1
1A	1345875C1	TRANSAXLE ASSEMBLY - four wheel drive, used on models without PTO, parts list pages 6-19 - 6-27 and 6-63 - 7-5, not shown (order component parts)	1
1A	1345898C1	TRANSAXLE ASSEMBLY - four wheel drive, used on models with PTO, parts list pages 6-19 - 6-27 and 6-63 - 7-5, not shown (order component parts)	1
2	D146237	ROD - PTO control, if used	1
3	D148971	HANDLE - tee, PTO rod, if used	1
4	3220372R2	BOLT - hex, special	16
5	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	1
6	732-1616	PIN - cotter, 1.6 x 16 mm	1
7	98783C1	NUT - hex flanged, 20 mm - 1.5, special, if used	16
7A	138076A1	WASHER - flat, 51/64 x 1-3/8 x 1/8 inch, hardened, special, if used	16
7B	829-11420	NUT - hex, 20 mm - 1.5, class 10, if used	16
8	D127596	PLATE - spacer	2
9	326-16144	BOLT - hex, 1 NC x 9 inch, grade 8	4
10	D36505	WASHER - flat, 1-1/16 x 1-7/8 x 9/64 inch, hardened	8
11	329-1016	NUT - hex, 1 inch NC, grade 8	4
12	D142862	GUARD - suction tube, mounts to tapped holes in transaxle	1
13	D142942	BOLT - hex, 20 - 2 x 30 mm	1
14	895-11020	WASHER - flat, 22 x 37 x 3 mm	1
15	614-16030	BOLT - hex, 16 - 2 x 30 mm	1
16	895-11016	WASHER - flat, 17.5 x 30 x 3 mm	1
17	*D146214	PLATE - differential lock boot	1
18	*D129670	BOOT - differential lock	1
19	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch	3
20	*D142718	PEDAL - differential lock	1
21	*A75351	COVER - differential lock pedal, if used	1
22	*219-36	FITTING - grease, 45 degree, 1/8 PT x 7/8 inch	1
23	*A30881	WASHER - flat, spacer	2
24	*D143416	RETAINER - pedal to pivot shaft bracket, (two in kit)	2-3
25	D124452	BUSHING - pedal	1
26	D141951	ROD - differential lock, used with items 28-30, if used	1
27	*A190341	SPRING - return, differential lock pedal	1
28	425-116	NUT - hex, 3/8 inch NF, if used	2
29	D121417	JOINT - ball, 3/8 inch, if used, replaces D38296	1
30	492-11038	WASHER - lock, 3/8 inch, if used	1
31	*D150368	ROD - differential lock, used with items 32-34, if used	1
32	*213-126	CLEVIS - adjustable, 3/8 inch NF, if used	1
33	*427-6106	PIN - clevis, 3/8 x 1-1/16 inch, hardened, if used	1
34	*432-612	PIN - cotter, 3/32 x 3/4 inch, if used	2
35	*495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	1
36	*425-116	NUT - hex, 3/8 inch NF, if used	1
37	109512A1	PLATE - cover, used on models without differential lock	1
	*115146A1	KIT - differential lock, includes all items shown with an asterisk and instructions	1

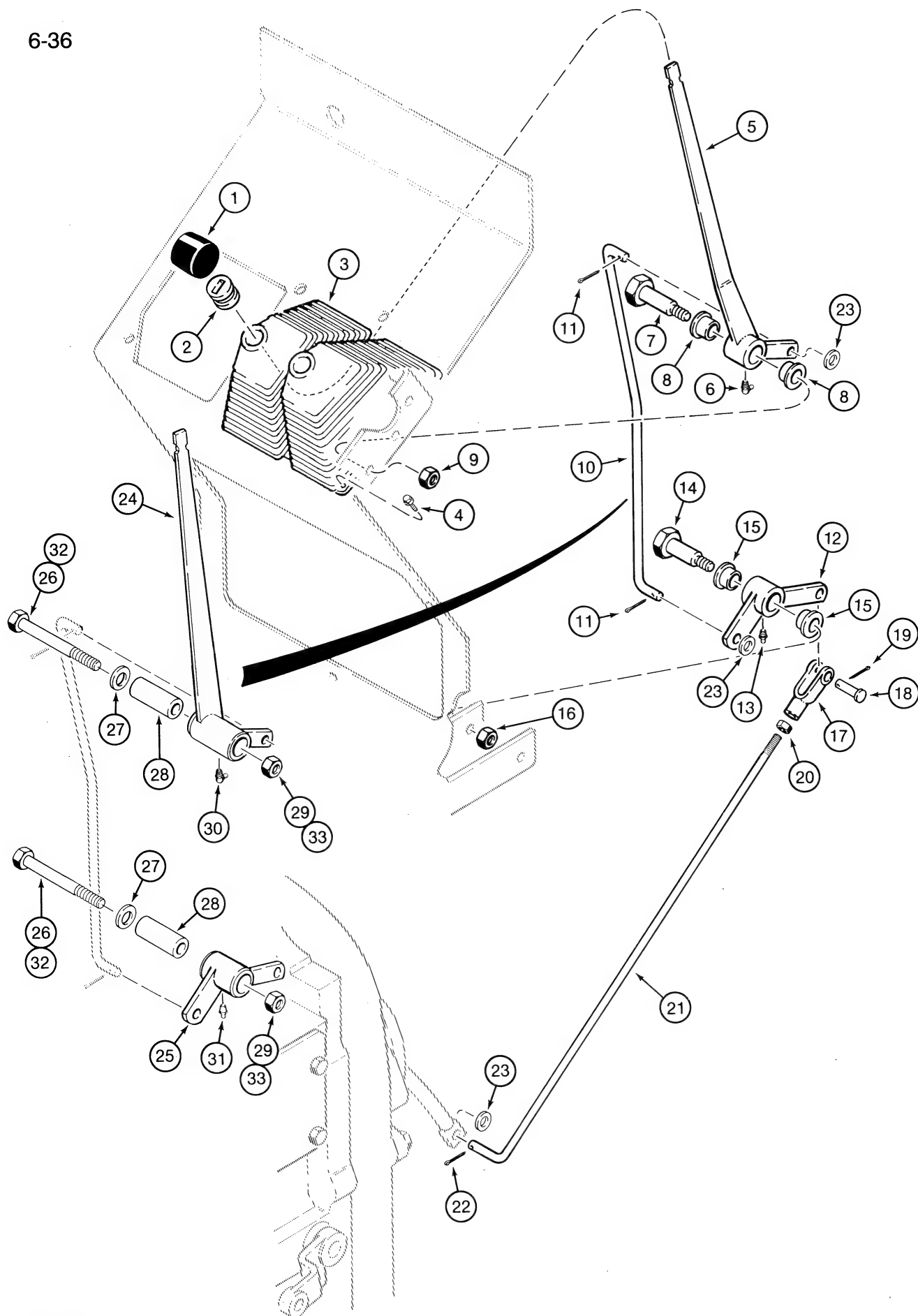


580 Super K Construction King Loader Backhoe
TRANSAXLE SHIFT LEVER

6-35

REF.	PART NO.	DESCRIPTION	REQD.
1	*D147596	KNOB - shift lever, T-handle.....	1
2	*D146337	LEVER - control, shift, transaxle	1
3	178-892	SCREW - set, hex headless, 5/16 NF x 3/8 inch, half dog point.....	1
4	D143303	BOOT - transaxle control lever, mounts to side console.....	1
5	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch	1
6	D142167	BOLT - shoulder, special	1
7	425-146	NUT - hex, jam, 3/8 inch NC	1
8	D136635	BLOCK - shifter pivot, plastic	1
9	D147051	LEVER - shift, first to second.....	1
10	D147052	LEVER - shift, third to fourth	1
11	D147737	BUSHING - D147051 or D147052 shift lever.....	1
12	D142166	STUD - pivot.....	1
13	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	2
14	413-612	BOLT - hex, 3/8 NC x 3/4 inch	2
15	492-11038	WASHER - lock, 3/8 inch.....	2
16	425-106	NUT - hex, 3/8 inch NC	2
17	D142577	PLUG - retainer, 5 mm thick head.....	1
18	D146892	BELLCRANK - shift detent, see page 3-7 for mounting	1
19	D146895	PLUG - retainer, 9 mm thick head.....	1
20	D148684	SPRING - detent.....	1
21	D146449	BALL - 1/2 inch, grade 200, carbon steel	2
22	D147060	ROD - shift, third to fourth	1
23	D147058	ROD - shift, first to second	1
24	427-6088	PIN - clevis, 3/8", short.....	2
25	432-612	PIN - cotter, 3/32 x 3/4 inch.....	2
26	213-126	CLEVIS - adjustable, 3/8 inch NF.....	2
27	425-116	NUT - hex, 3/8 inch NF.....	2
28	427-6106	PIN - clevis, 3/8 x 1-1/16 inch, hardened	2
29	432-612	PIN - cotter, 3/32 x 3/4 inch.....	2

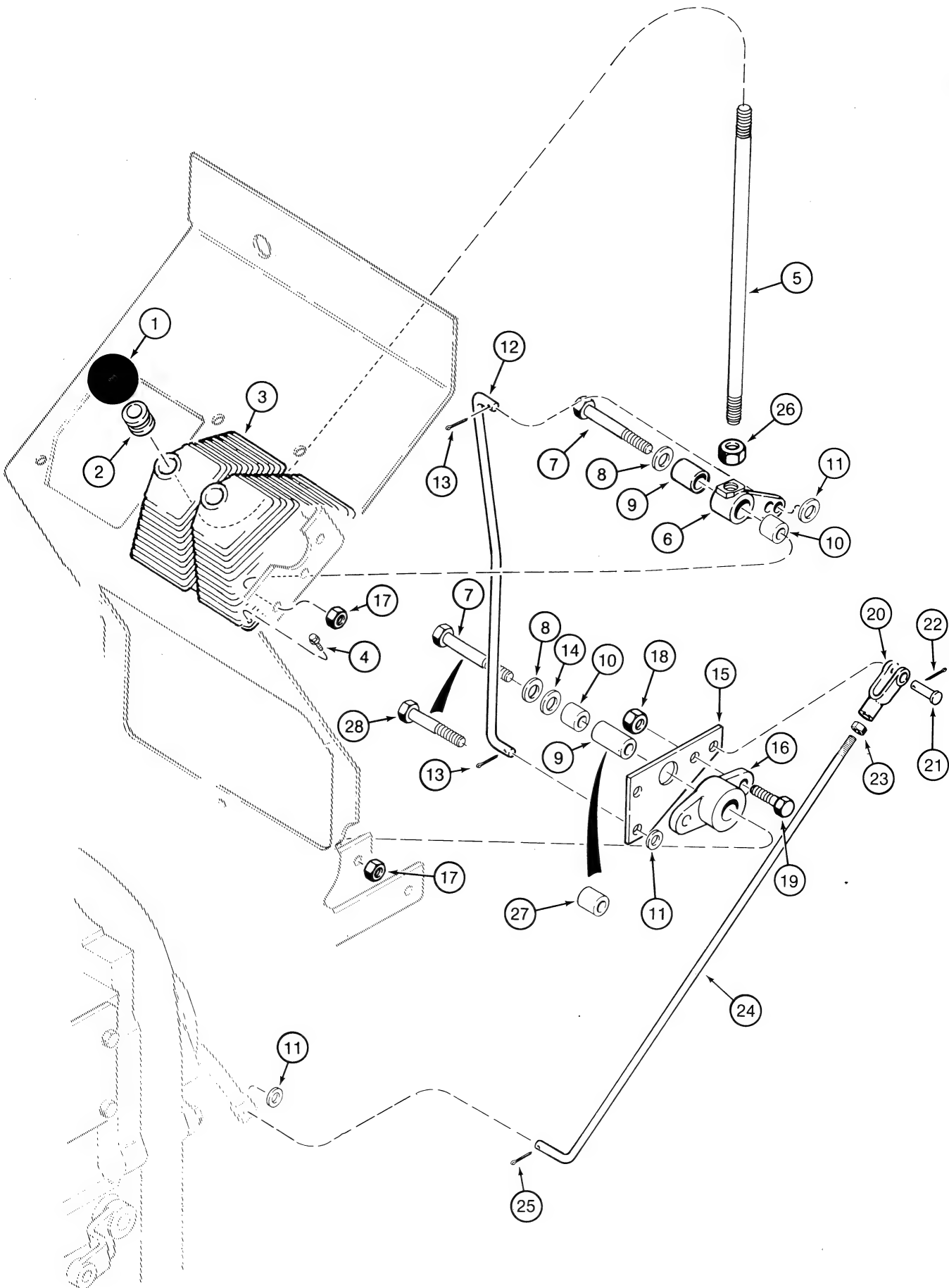
***NOTE:** See page 4-27, item 17, for clutch cutout switch
and wire.



580 Super K Construction King Loader Backhoe
FRONT DRIVE AXLE CONTROL
WITH SHIFT LEVER WELDED TO BELLCRANK

6-37

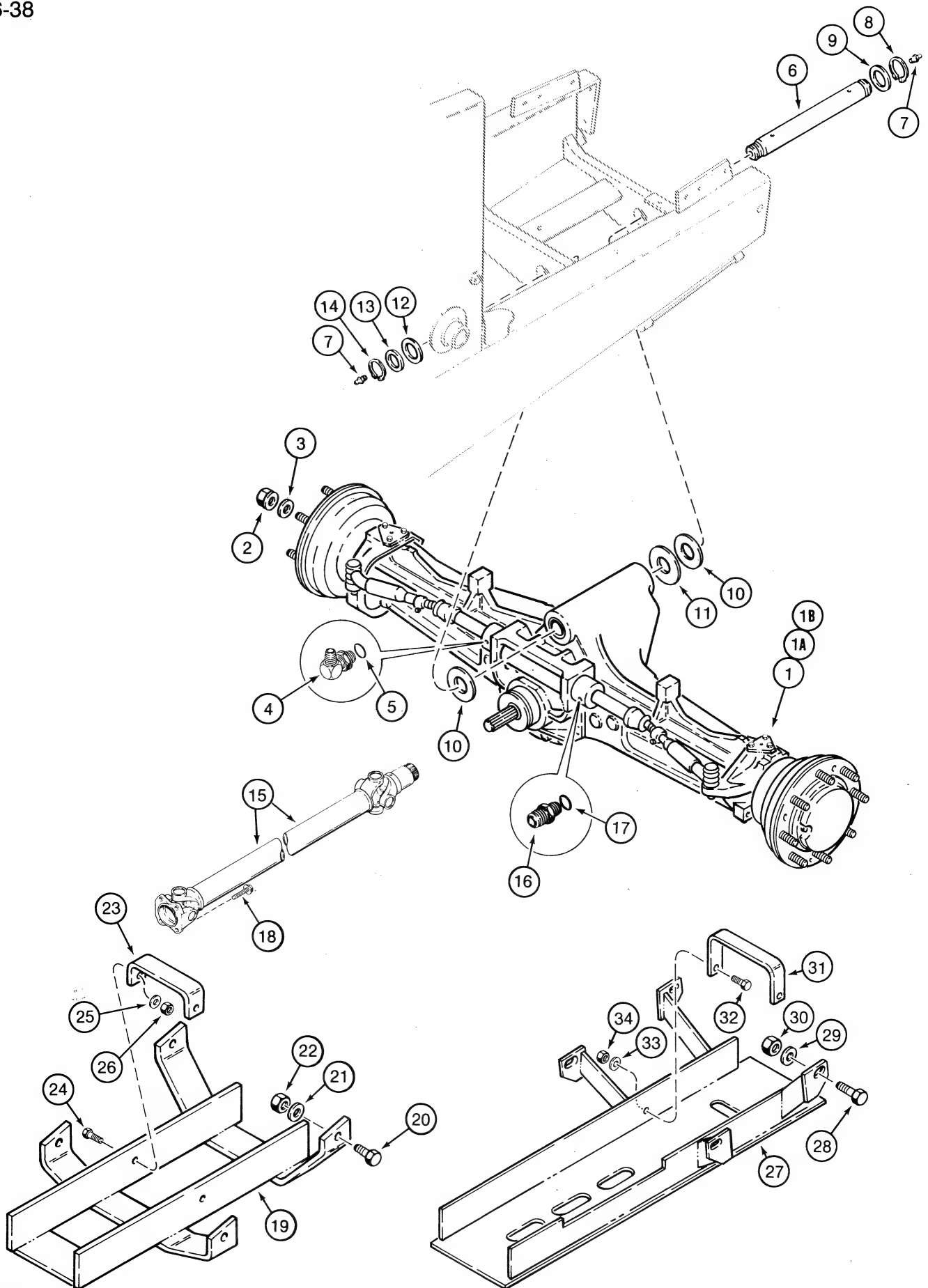
REF.	PART NO.	DESCRIPTION	REQD.
1	A177435	KNOB - shift control lever.....	1
2	D147946	BUSHING - boot	1
3	D137465	BOOT - dual lever, shift control and parking brake levers, see page 7-13 for parking brake lever	1
4	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch	4
5	D147062	LEVER - offset with bend, 1 inch long pivot tube, shift control, no longer available, order items 24-31	1
6	219-57	FITTING - grease, 90 degree, 1/4-28 taper x 3/4 inch, used with D147062 lever, if used	1
7	D147812	BOLT - special, shoulder, D147062 lever, if used	1
8	D144602	BUSHING - pivot, D147062 lever, if used	2
9	131-1247	NUT - hex, self-locking, 7/16 inch NF, if used (replaces 425-157 jam nut)	1
10	D146919	ROD - shift control, lever to bellcrank	1
11	432-612	PIN - cotter, 3/32 x 3/4 inch.....	2
12	D146909	BELLCRANK - 1 inch pivot tube, used with D147062 lever, no longer available, order items 24-31	1
13	219-20	FITTING - grease, straight, 1/4-28 x 1/2 inch, D146909 bellcrank, if used.....	1
14	D147812	BOLT - special, shoulder, D146909 bellcrank, if used	1
15	D144602	BUSHING - pivot, bellcrank, D146909 bellcrank, if used	2
16	131-1247	NUT - hex, self-locking, 7/16 inch NF, if used (replaces 425-157 jam nut)	1
17	213-126	CLEVIS - adjustable, 3/8 inch NF.....	1
18	427-6106	PIN - clevis, 3/8 x 1-1/16 inch, hardened	1
19	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
20	425-156	NUT - hex jam, 3/8 inch NF.....	1
21	D146918	ROD - shift control, bellcrank to transaxle	1
22	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
23	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	3
24	D151089	LEVER - straight, 2 inch pivot tube, shift control	1
25	D151100	BELLCRANK - 2 inch pivot tube, used with D151089 lever	1
26	413-748	BOLT - hex, 7/16 NC x 3 inch, if used	2
27	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch, if used	2
28	D149292	BUSHING - pivot, lever and bellcrank, if used.....	2
29	131-51	NUT - hex, self-locking, 7/16 inch NC, if used.....	2
30	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch, if used.....	1
31	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch, if used, replaces 219-4 9/16 inch long fitting	1
32	413-848	BOLT - hex, 1/2 NC x 3 inch, if used	2
33	131-208	NUT - heavy hex, self-locking, 1/2 inch NC, if used	2



FRONT DRIVE AXLE CONTROL

WITH SHIFT LEVER THREADED TO BELLCRANK

REF.	PART NO.	DESCRIPTION	REQD.
1	L54563	KNOB - shift control lever	1
2	D121047	BUSHING - boot	1
3	D137465	BOOT - dual lever, shift control and parking brake levers, see page 7-13 for parking brake lever	1
4	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch	4
5	136261A1	LEVER - straight, shift control.....	1
6	D150397	BELLCRANK - shift control lever	1
7	413-848	BOLT - hex, 1/2 NC x 3 inch, used with item 9, D149292 bushing	1-2
8	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	2
9	D149292	BUSHING - 2 inch long, pivot, bellcrank and pedal shaft bearing, replaced by item 27, 120900A1, 1-1/8 inch bushing at pedal shaft bearing.....	1-2
10	105815A1	SPACER - 43/64 inch wide, pivot, used with item 9, D149292 bushing.....	1-2
11	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	3
12	105816A1	ROD - shift control, pivot plate to bellcrank.....	1
13	432-612	PIN - cotter, 3/32 x 3/4 inch.....	2
14	495-11081	WASHER - flat, 13/16 x 1-15/32 x 1/8 inch, used with item 9, D149292 bushing.....	1-2
15	D150330	PLATE - pivot mounting, pedal shaft bearing and control rod	1
16	A77310	BEARING - pedal shaft.....	1
17	131-208	NUT - heavy hex, self-locking, 1/2 inch NC	2
18	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8	2
19	413-616	BOLT - hex, 3/8 NC x 1 inch	2
20	213-126	CLEVIS - adjustable, 3/8 inch NF	1
21	427-6106	PIN - clevis, 3/8 x 1-1/16 inch, hardened	1
22	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
23	425-156	NUT - hex jam, 3/8 inch NF.....	1
24	106589A1	ROD - shift control, pivot plate to transaxle	1
25	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
26	425-118	NUT - hex, 1/2 inch NF.....	1
27	120900A1	BUSHING - 1-1/8 inch long, pivot, replaces item 9, D149292, 2 inch bushing at pedal shaft bearing	1
28	413-832	BOLT - hex, 1/2 NC x 2 inch, used with item 27, 120900A1, bushing.....	1

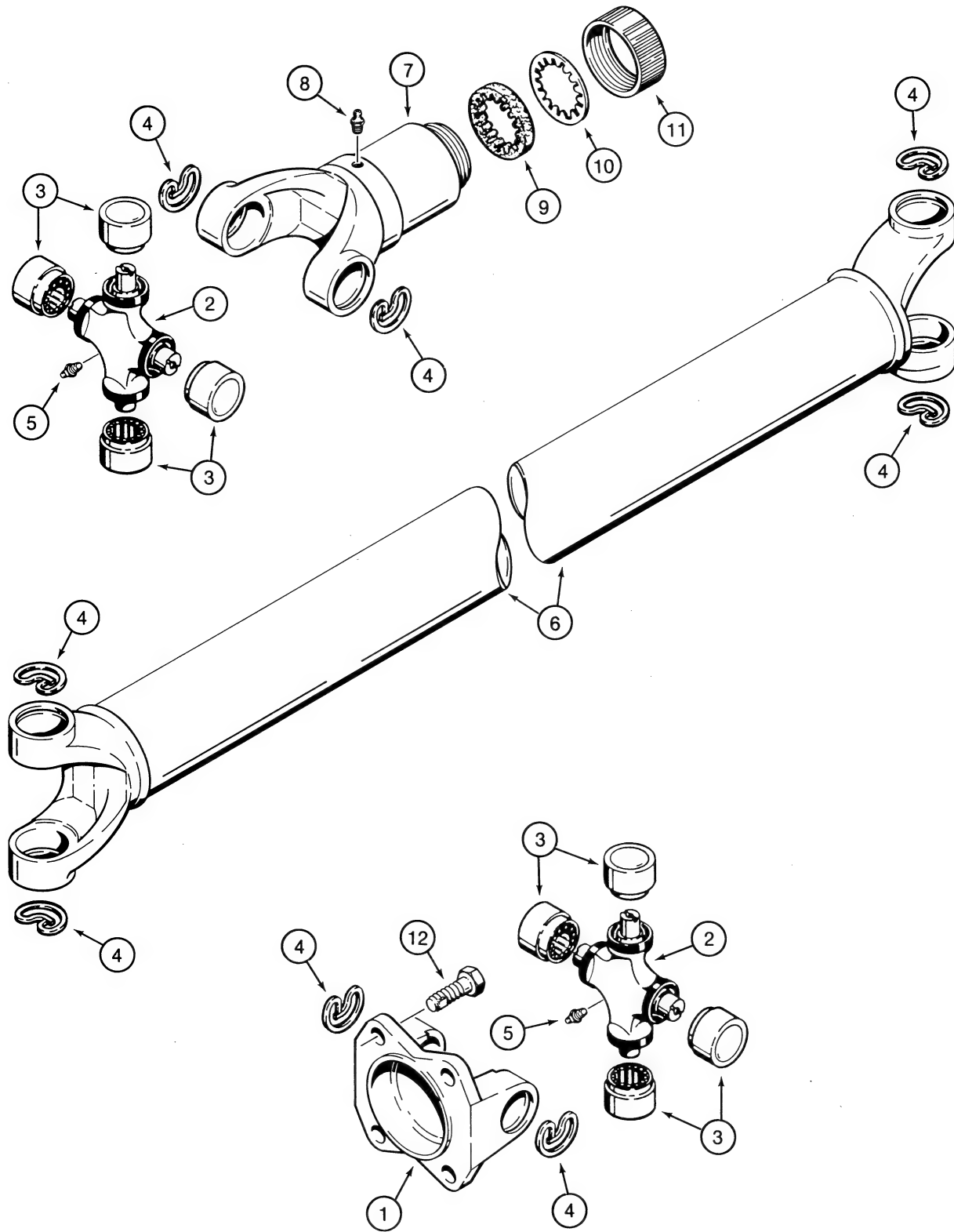


580 Super K Construction King Loader Backhoe

FRONT DRIVE AXLE MOUNTING AND DRIVE SHAFT

6-39

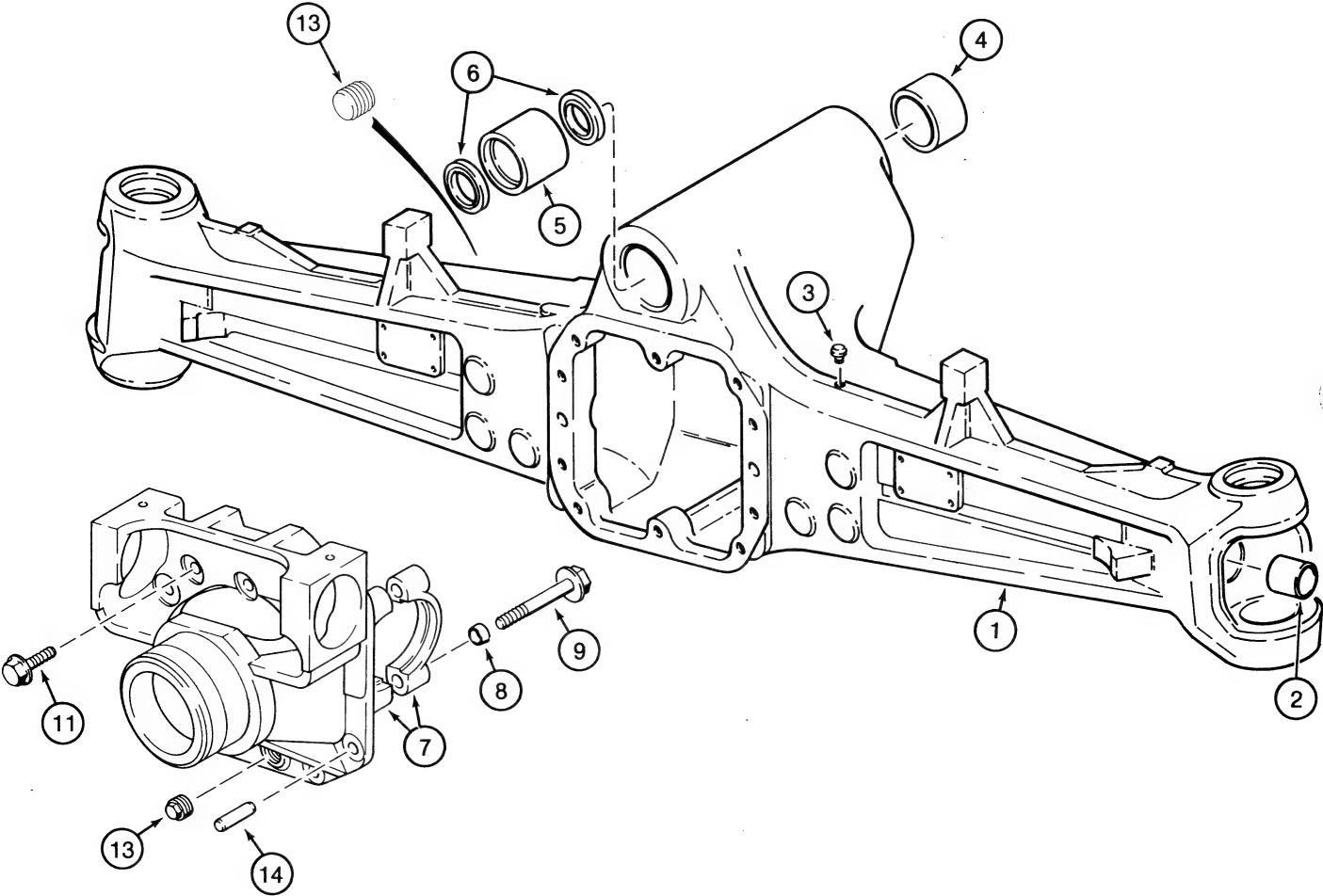
REF.	PART NO.	DESCRIPTION	REQD.
1	D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle	1
1A	D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-59, does not include hydraulic fittings at steering cylinder, items 4 and 16, purchase separately, if used	1
1B	127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16, replaces 109937A1 axle, if used.....	1
2	K395089	NUT - hex.....	16
3	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened.....	16
4	218-5280	ELBOW - 90 degree, 3/4-16 flare x 9/16-18 inch adj O-ring	1
5	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
6	D127445	SHAFT - axle pivot	1
7	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
8	800-44050	RING - snap, shaft retaining, front.....	1
9	495-81282	WASHER - flat, 2-1/16 x 3 x 1/8 inch	UAR
10	D143408	WASHER - flat, 2-1/32 ID x 4 OD x 1/16 inch thick, special.....	UAR
11	D123684	WASHER - thrust, 2-1/16 x 4-1/2 x 3/16 inch.....	1
12	D143431	WASHER - special	1
13	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch.....	1
14	103-16175	RING - snap, pivot shaft retaining, rear, replaces D25280.....	1
15	1349244C1	SHAFT ASSEMBLY - drive, front drive axle, parts list page 6-41	1
16	218-5351	ADAPTER - straight, 3/4-16 flare x 9/16-18 inch O-ring boss	1
17	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
18	806-10030	BOLT - hex, 10 mm - 1.5 x 30 mm, special, flange mounting	4
19	D149468	GUARD - drive shaft, 10 mm (3/8 inch) thick, used on four wheel drive models without PTO and with item 23, D149465, strap, no longer available, order item 19A, 104658A1, guard	1
19A	104658A1	GUARD - drive shaft, used on four wheel drive models without PTO, not shown, is identical to item 19 except there are no holes in side bars.....	1
20	413-1640	BOLT - hex, 1 NC x 2-1/2 inch	4
21	495-11106	WASHER - flat, 1-1/16 x 2 x 1/8 inch	4
22	425-1016	NUT - hex, 1 inch NC	4
23	D149465	STRAP - shaft guard, used with item 19, D149468 guard.....	1
24	413-1232	BOLT - hex, 3/4 NC x 2 inch, if used	2
25	495-11081	WASHER - flat, 13/16 x 1-15/32 x 1/8 inch, if used.....	2
26	425-1012	NUT - hex, 3/4 inch NC, if used	2
27	D151103	GUARD - drive shaft, used on two wheel drive and four wheel drive models with PTO, replaces D149594	1
28	413-1640	BOLT - hex, 1 NC x 2-1/2 inch	4
29	495-11106	WASHER - flat, 1-1/16 x 2 x 1/8 inch	4
30	425-1016	NUT - hex, 1 inch NC	4
31	D149593	STRAP - shaft guard, used with item 27, D151103 guard.....	1
32	413-1232	BOLT - hex, 3/4 NC x 2 inch	2
33	495-11081	WASHER - flat, 13/16 x 1-15/32 x 1/8 inch	2
34	425-1012	NUT - hex, 3/4 inch NC	2



580 Super K Construction King Loader Backhoe
DRIVE SHAFT FOR FRONT DRIVE AXLE
FRONT DRIVE AXLE TO TRANSAXLE

6-41

REF.	PART NO.	DESCRIPTION	REQ'D.
	1349244C1	SHAFT ASSEMBLY - drive	1
1	S80726	YOKE - flange.....	1
	D144306	KIT - universal joint.....	2
2	NSS	JOINT - universal, drive shaft.....	1
3	NSS	BEARING - universal joint.....	4
4	R13992	RING - retaining	4
5	219-10	FITTING - grease, straight, 1/4-28 taper x 11/16 inch.....	1
6	NSS	SHAFT - drive, front drive axle	1
7	D149861	YOKE - tube, splined, to front drive axle	1
8	219-10	FITTING - grease, straight, 1/4-28 taper x 11/16 inch.....	1
	D149860	KIT - dust cap.....	1
9	NSS	WASHER - cork	1
10	NSS	WASHER - steel.....	1
11	NSS	CAP - dust seal retaining	1
12	806-10030	BOLT - hex, 10 mm - 1.5 x 30 mm, special.....	4

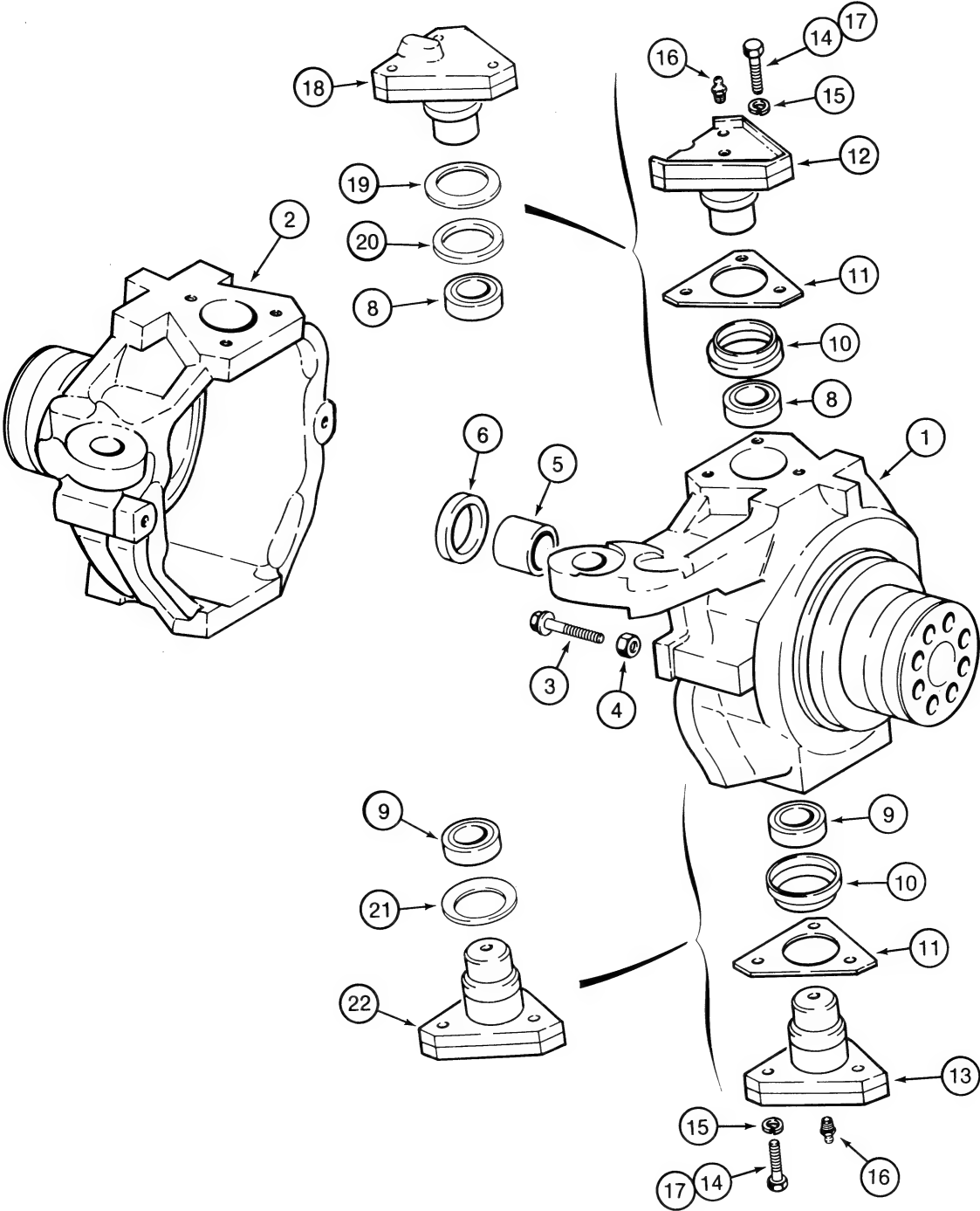


FRONT DRIVE AXLE

AXLE HOUSING

REF.	PART NO.	DESCRIPTION	REQD.
	D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle	1
	D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-59, does not include hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, purchase separately, if used.....	1
	127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, replaces 109937A1 axle, if used.....	1
1	D149727	HOUSING - front axle.....	1
2	K395019	BUSHING - housing	2
3	1966149C1	BREATHER - axle housing, (replaces K965231 breather)	1
4	D149726	BUSHING - front pivot.....	1
5	D149725	BUSHING - rear pivot.....	1
6	N14367	SEAL - rear bushing.....	2
	D149714	CARRIER ASSEMBLY - differential, for 3-1/32 inch (77 mm) OD steering cylinder	1
7	NSS	CARRIER - differential.....	1
8	K965259	BUSHING - centering, carrier	4
9	S301065	BOLT - carrier	4
11	S301064	BOLT - carrier to housing.....	10
13	A156873	PLUG - drain.....	1-2
14	K965252	PIN - dowel, housing to carrier	2
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, differential carrier to axle housing, not shown (order B17575).....	UAR

NOTE: For axle mounting, see page 6-39.



FRONT DRIVE AXLE

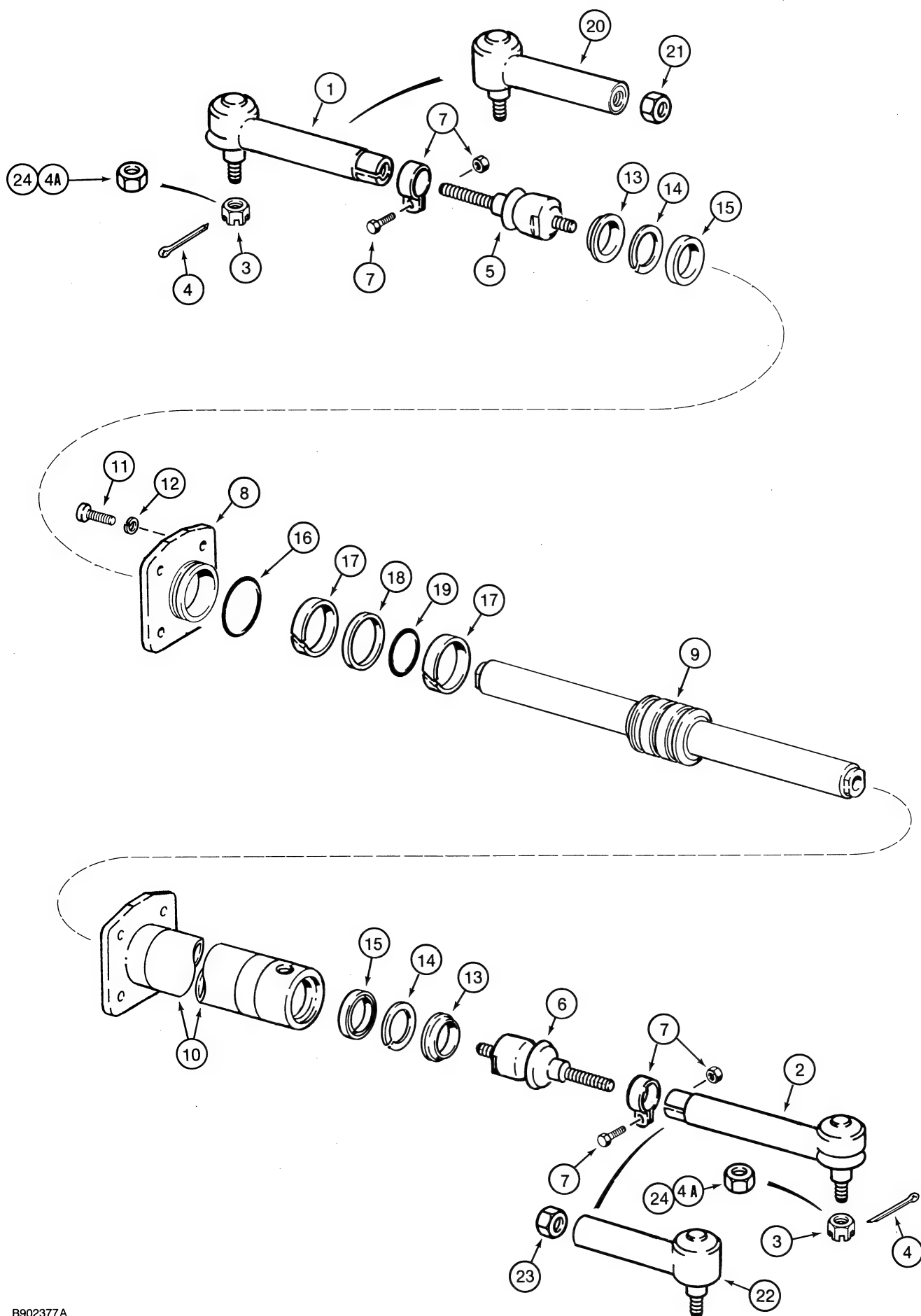
SWIVEL HOUSING

REF.	PART NO.	DESCRIPTION	REQD.
	D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle.....	1
	D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-59, does not include hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, purchase separately, if used.....	1
	127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, replaces 109937A1 axle, if used.....	1
1	D150204	HOUSING - swivel, right-hand (replaces N14375 housing)	1
2	D150203	HOUSING - swivel, left-hand (replaces N14374 housing)	1
3	F3333050	BOLT - 14 mm, steering stop, special, replaces D142907.....	4
4	K395148	NUT - hex, 14 mm, special, (replaces D142908 nut).....	4
5	1967535C1	BUSHING - swivel housing, (replaces K395033 bushing)	2
6	K262143	SEAL - oil, swivel housing.....	2
8	*N14372	BEARING - swivel cap, upper	2
9	N14373	BEARING - swivel cap, lower, two-piece bearing	2
10	K395039	SEAL - bearing, see Note A.....	4
11	K395036	SHIM - 0.10 mm thick, swivel cap, see Note A.....	UAR
11	K395037	SHIM - 0.19 mm thick, swivel cap, see Note A.....	UAR
11	K395038	SHIM - 0.35 mm thick, swivel cap, see Note A.....	UAR
12	*N14376	PIN - king, swivel housing cap, upper, see Note A	2
13	N13504	PIN - king, swivel housing cap, lower, see Note A	2
14	K965247	BOLT - hex head, 14 - 2 x 35 mm, special, used with item 15 lock washer, if used	12
15	K965248	WASHER - lock, 14 mm, special, not required with item 17 bolt, if used.....	12
16	712998R91	FITTING - grease, straight, swivel cap, (replaces K965246 fitting)	4
17	D150214	BOLT - hex, self-locking, 14 - 2 x 35 mm, special, if used.....	12
18	122260A1	PIN - king, swivel housing cap, upper, see Note B	2
19	122262A1	WASHER - Belleville, upper, see Note B	2
20	144611A1	SPACER - bearing to upper king pin, see Note B	2
21	122261A1	WASHER - Belleville, lower, see Note B	2
22	122259A1	PIN - king, swivel housing cap, lower, see Note B	2
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, wear ring to swivel housing, not shown (order B17575).....	UAR

***NOTE:** If swivel housing has a two-piece upper bearing, you must order both N14372 upper bearing and N14376 upper king pin.

NOTE A: Used on axles prior to Carraro serial number CAR/4253.

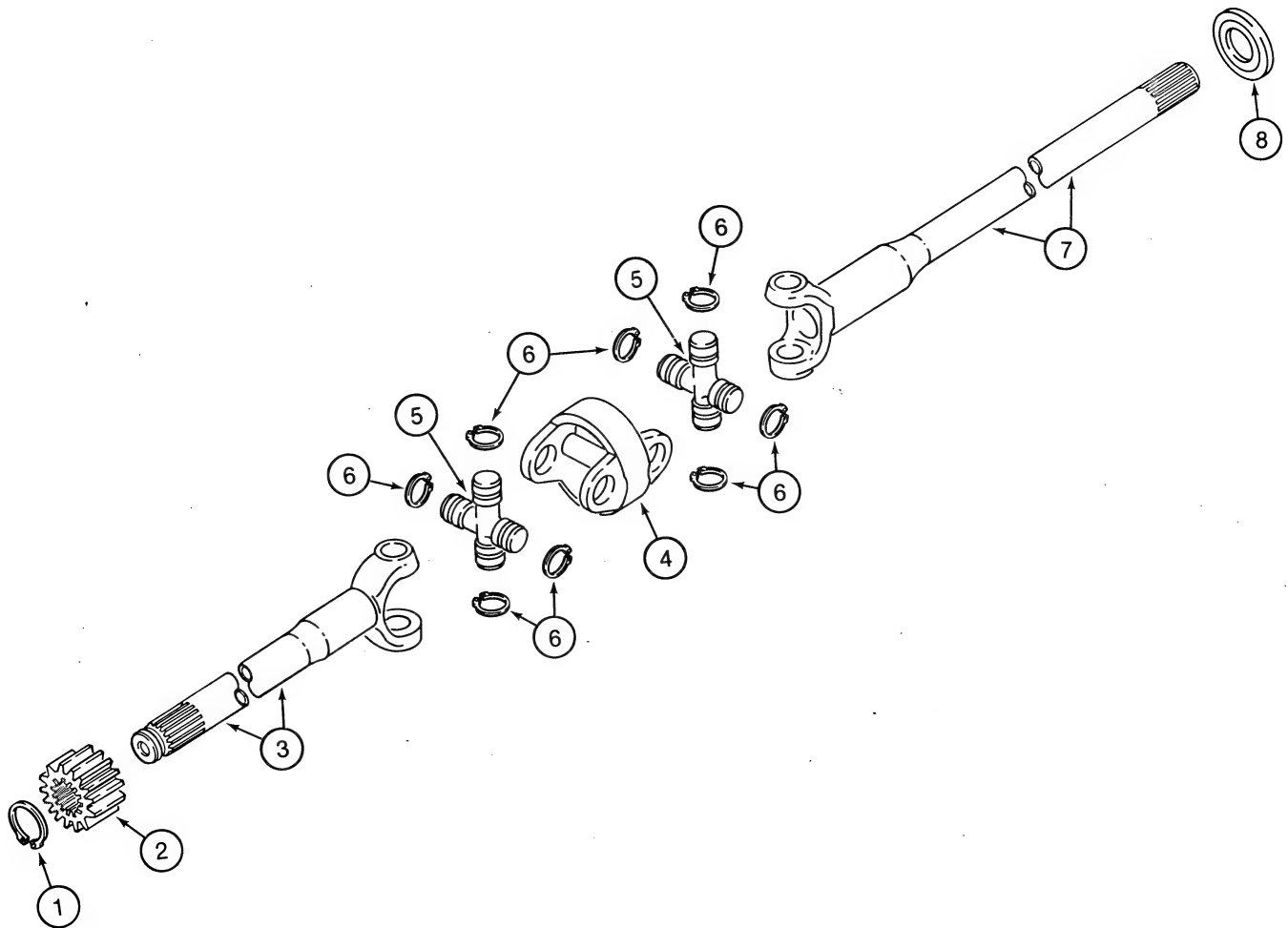
NOTE B: Used on axles Carraro serial number CAR/4253 and after.



FRONT DRIVE AXLE

STEERING CYLINDER

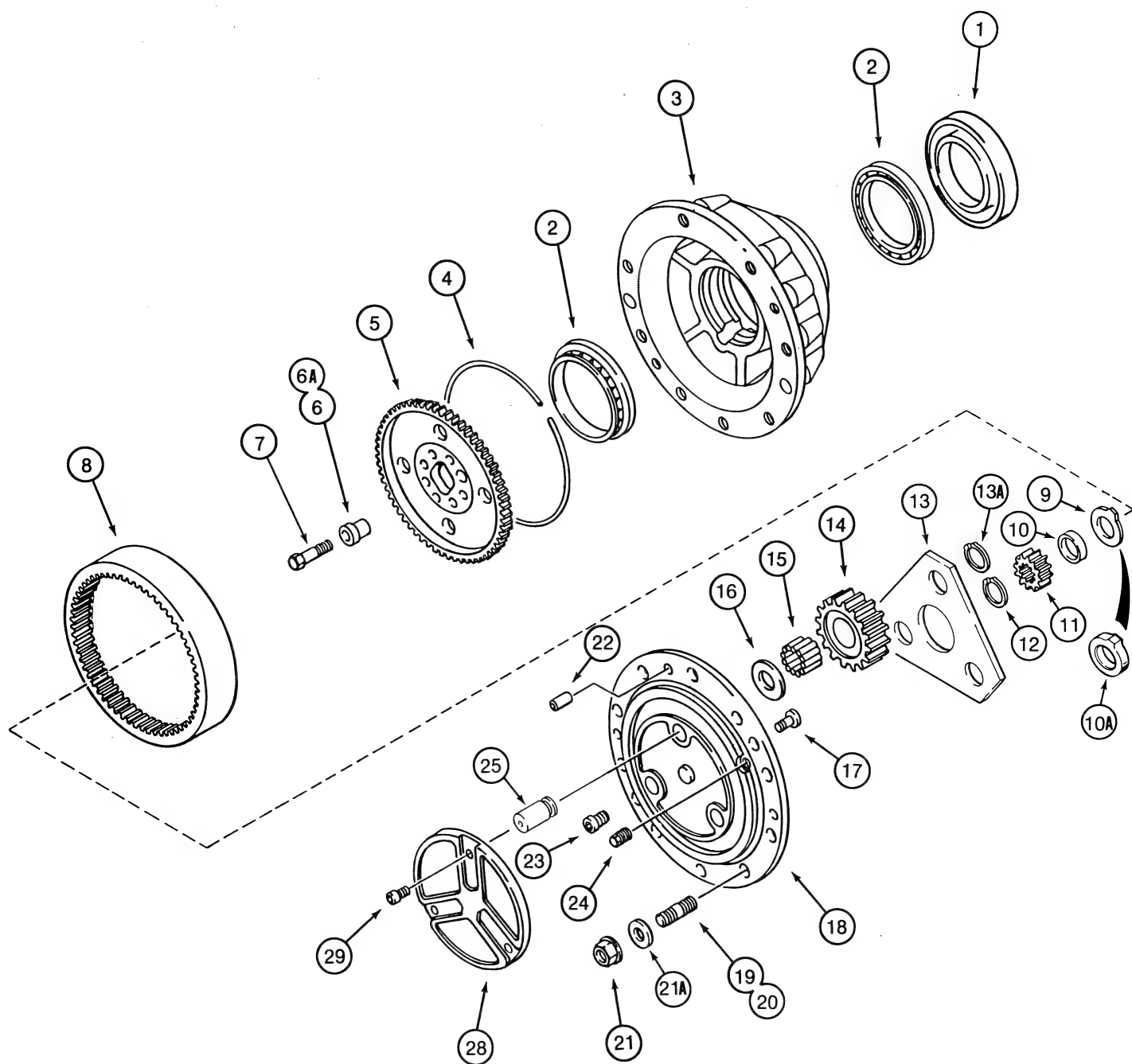
REF.	PART NO.	DESCRIPTION	REQD.
	D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle.....	1
	D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-59, does not include hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, purchase separately, if used.....	1
	127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, replaces 109937A1 axle, if used.....	1
	D149730	JOINT ASSEMBLY - ball, left-hand, includes items 1, 3, and 4, no longer available, order items 20, ball joint, 21 and 24 nuts.....	1
	D149728	JOINT ASSEMBLY - ball, right-hand, includes items 2-4, no longer available, order items 22, ball joint, 23 and 24 nuts.....	1
1	NSS	JOINT - ball, left-hand, used with item 7, D142924, clamp	1
2	NSS	JOINT - ball, right-hand, used with item 7, D142924, clamp	1
3	N14380	NUT - hex, slotted, 20 x 1.5 mm, ball joint, if used.....	1
4	733-4036	PIN - cotter, 4 x 36 mm, used with item 3, N14380, nut, (replaces 632-656 pin)	1
4A	107070A1	NUT - self-locking, 20 x 1.5 mm, ball joint, if used	1
5	N14388	ROD - tie, steering, adjuster, left-hand	1
6	N14377	ROD - tie, steering, adjuster, right-hand.....	1
7	D142924	CLAMP - ball joint to tie rod, includes hardware.....	2
	D149729	CYLINDER - steering, order D149739 kit to service seals, see below	1
8	D149737	GLAND - cylinder.....	1
9	D149736	ROD - piston.....	1
10	D149738	TUBE - cylinder.....	1
11	814-12050	BOLT - hex, 12 - 1.75 x 50 mm, (replaces D142929 bolt).....	4
12	892-11012	WASHER - lock, 12 mm, steering cylinder, (replaces K965425 washer)	4
13	*NSS	WIPER - rod.....	2
14	*NSS	RING - backup	2
15	*NSS	SEAL - rod	2
16	*NSS	O-RING - gland	1
17	*NSS	RING - wear.....	2
18	*NSS	SEAL - piston.....	1
19	*NSS	O-RING - expander	1
20	126144A1	JOINT - ball, left-hand, used with item 21, 126141A1 nut	1
21	126141A1	NUT - hex, self-locking, used with item 20, 126144A1 ball joint	1
22	126145A1	JOINT - ball, right-hand, used with item 23, 126143A1 nut.....	1
23	126143A1	NUT - hex, self-locking, used with item 22, 126145A1 ball joint	1
24	107070A1	NUT - self-locking, 20 x 1.5 mm, ball joint.....	2
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, cylinder flange to cylinder, not shown (order B17575)	UAR
	*D149739	KIT - seal, steering cylinder, for rod, gland, and piston includes all items with an asterisk.....	1



FRONT DRIVE AXLE

AXLE SHAFTS

REF.	PART NO.	DESCRIPTION	REQ'D.
	D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle.....	1
	D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-59, does not include hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, purchase separately, if used.....	1
	127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, replaces 109937A1 axle, if used.....	1
1	K261897	RING - snap, axle shaft.....	2
2	K395114	GEAR - pinion, axle shaft.....	2
3	N14409	SHAFT - axle, wheel side, short.....	2
4	N14412	BODY - connecting	2
5	N14411	JOINT - universal, axle shaft, cross	4
6	N14410	RING - snap, universal joint	16
7	D149735	SHAFT - axle, differential side, long	2
8	1966164C1	SEAL - oil, axle shaft, replaces K395103	2

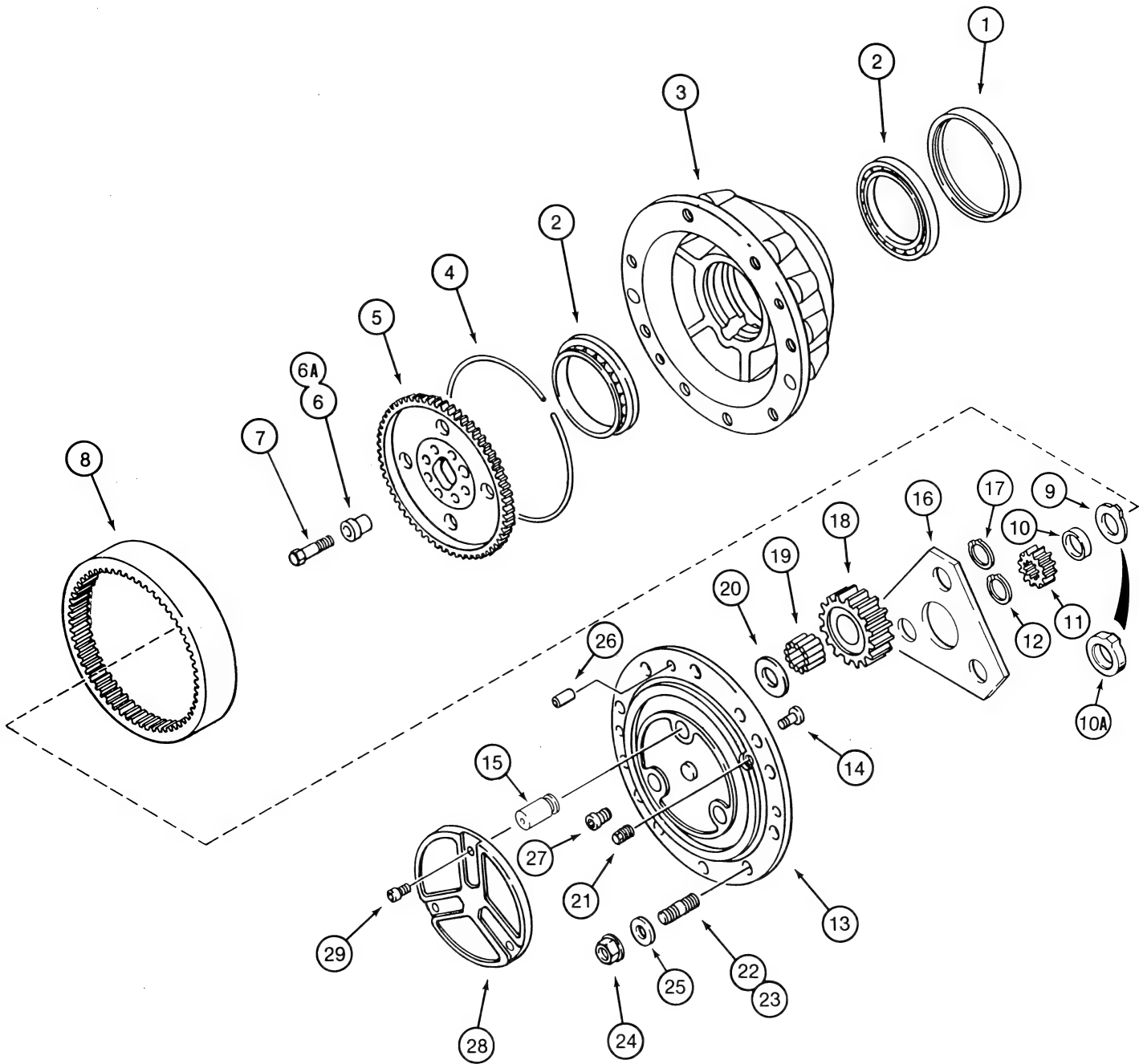


FRONT DRIVE AXLE

*PLANETARY

REF.	PART NO.	DESCRIPTION	REQD.
	*D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle, see page 6-53 for axle.....	1
1	1349265C1	SEAL - oil, hub	2
2	K395101	BEARING - ball, hub	4
3	K395123	HUB - wheel attaching	2
4	H437679	RING - lock	2
5	H437678	HUB - ring gear	2
6	107071A1	BUSHING - 20 mm OD, centering (replaces K395105 bushing).....	6
6A	107072A1	BUSHING - 24 mm OD, centering (replaces K395104 bushing).....	2
7	K395131	BOLT - hex, special.....	8
8	H437677	GEAR - ring, planetary	2
9	K395115	WASHER - tab locking, special, used with item 10 spacer, if used	2
10	K395121	SPACER - pinion gear, used with item 9 washer, no longer available, order 107073A1	2
10A	107073A1	SPACER - pinion gear, one piece part, replaces items 9 and 10 on some models	2
11	K395114	GEAR - pinion, axle shaft.....	2
12	K261897	RING - snap, pinion gear retaining	2
13	K395122	WASHER - thrust, pinion gear, inner	2
13A	K395028	RING - snap	6
14	K395110	GEAR - pinion, planetary.....	6
15	119685A1	BEARING - needle, planetary gear, replaces K395092.....	180
16	K395091	WASHER - thrust, pinion gear, outer	6
17	K395093	PIN - lock, planetary cover	2
18	K395111	COVER - planetary, no longer available, order K262251 and N13515, items 18A and 20	2
18A	K262251	COVER - planetary, not shown	2
19	K260218	STUD - special, without collar	12
20	N13515	STUD - special, with collar, for recessed bolt holes	4
21	K395089	NUT - hex, special, wheel mounting	16
21A	K395083	WASHER - lock, special, wheel mounting	16
22	K395094	PIN - dowel, planetary cover	4
23	K395029	SCREW - special, planetary cover	4
24	A156873	PLUG - drain.....	2
25	K395124	SHAFT - pinion gear.....	6
28	K395135	PLATE - planetary cover.....	2
29	905876R1	SCREW - special, planetary cover plate, (replaces K395082 screw)	6
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, planetary cover to hub, not shown (order B17575)	UAR

*NOTE: See page 6-53 for planetary used on D149673, 109937A1
or 127767A1 axle assembly.

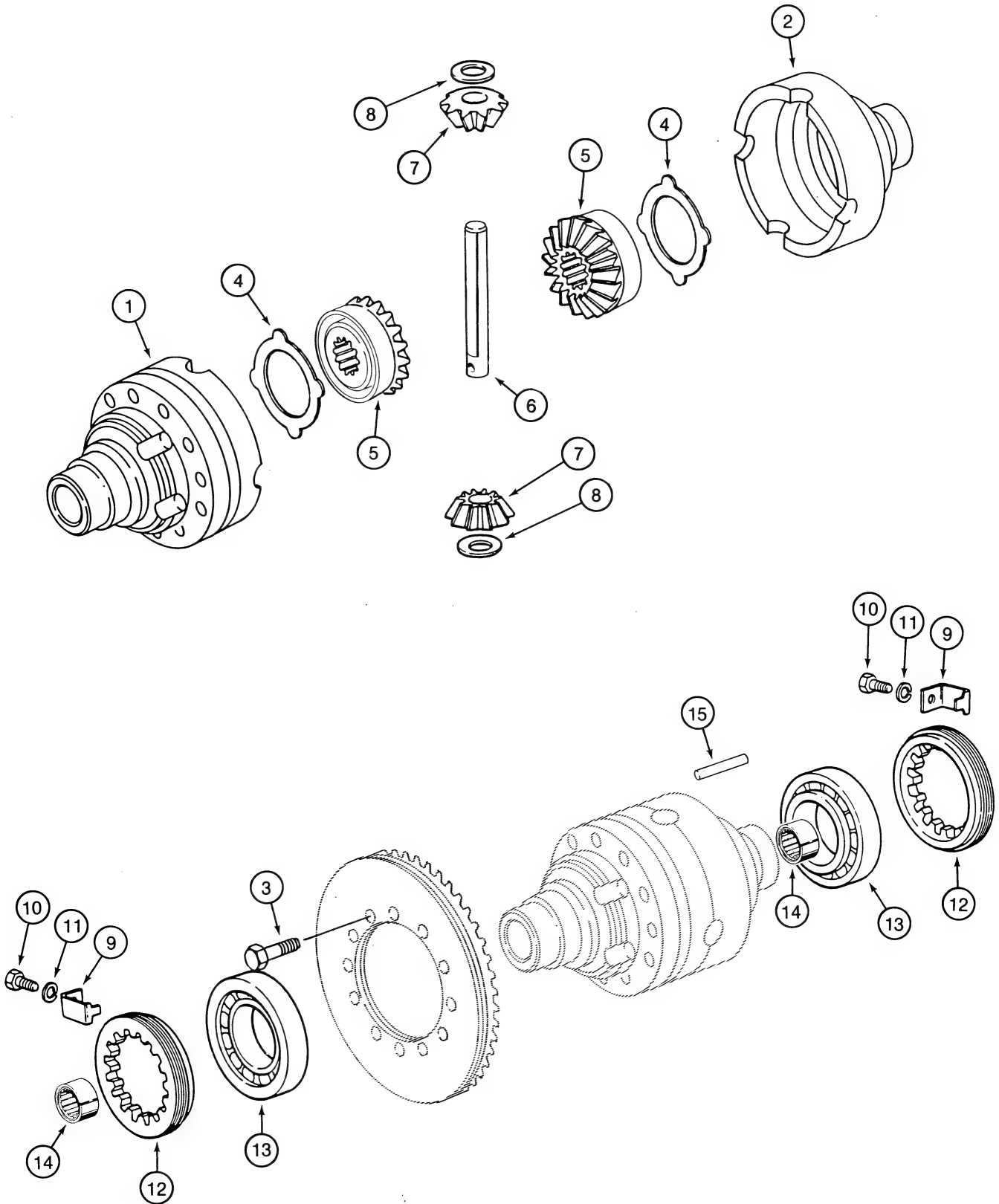


FRONT DRIVE AXLE

*PLANETARY

REF.	PART NO.	DESCRIPTION	REQ'D.
	*D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-59, does not include hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, purchase separately, if used... 1	
	*127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, replaces 109937A1 axle, if used..... 1	
1	1349265C1	SEAL - oil, hub (replaces D149680 seal)	2
2	K395101	BEARING - ball, hub	4
3	K395123	HUB - wheel attaching	2
4	H437679	RING - lock.....	2
5	H437678	HUB - ring gear	2
6	107071A1	BUSHING - 20 mm OD, centering (replaces K395105 bushing).....	6
6A	107072A1	BUSHING - 24 mm OD, centering (replaces K395104 bushing).....	2
7	K395131	BOLT - hex, special.....	8
8	H437677	GEAR - ring, planetary	2
9	K395115	WASHER - tab locking, special, used with item 10 spacer, if used.....	2
10	K395121	SPACER - pinion gear, used with item 9 washer, no longer available, order 107073A1	2
10A	107073A1	SPACER - pinion gear, one piece, replaces items 9 and 10 on some models	2
11	K395114	GEAR - pinion, axle shaft.....	2
12	K261897	RING - snap, pinion gear retaining	2
	D150218	PLANETARY ASSEMBLY - front drive axle, no longer available, order component parts separately.....	2
	D150217	CARRIER ASSEMBLY - planetary.....	2
13	NSS	CARRIER - planetary.....	1
14	K395093	PIN - lock, planetary carrier	2
15	K395124	SHAFT - pinion gear	3
16	K395122	WASHER - thrust, pinion gear, inner.....	1
17	K395028	RING - snap.....	3
18	K395110	GEAR - pinion, planetary.....	3
19	119685A1	BEARING - needle, planetary gear, replaces K395092.....	90
20	K395091	WASHER - thrust, pinion gear, outer	3
21	A156873	PLUG - drain.....	2
22	K260218	STUD - special, without collar.....	12
23	N13515	STUD - special, with collar, for recessed bolt holes	4
24	K395089	NUT - hex, special, wheel mounting	16
25	K395083	WASHER - lock, special, wheel mounting	16
25	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened, wheel mounting, (replaces K395083 washer).....	16
26	K395094	PIN - dowel, planetary cover.....	4
27	K395029	SCREW - special, planetary cover.....	4
28	K395135	PLATE - planetary cover.....	2
29	905876R1	SCREW - special, planetary cover plate, (replaces K395082 screw)	6
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, planetary cover to hub, not shown (order B17575)	UAR

*NOTE: See page 6-51 for planetary used on D146847 axle assembly.

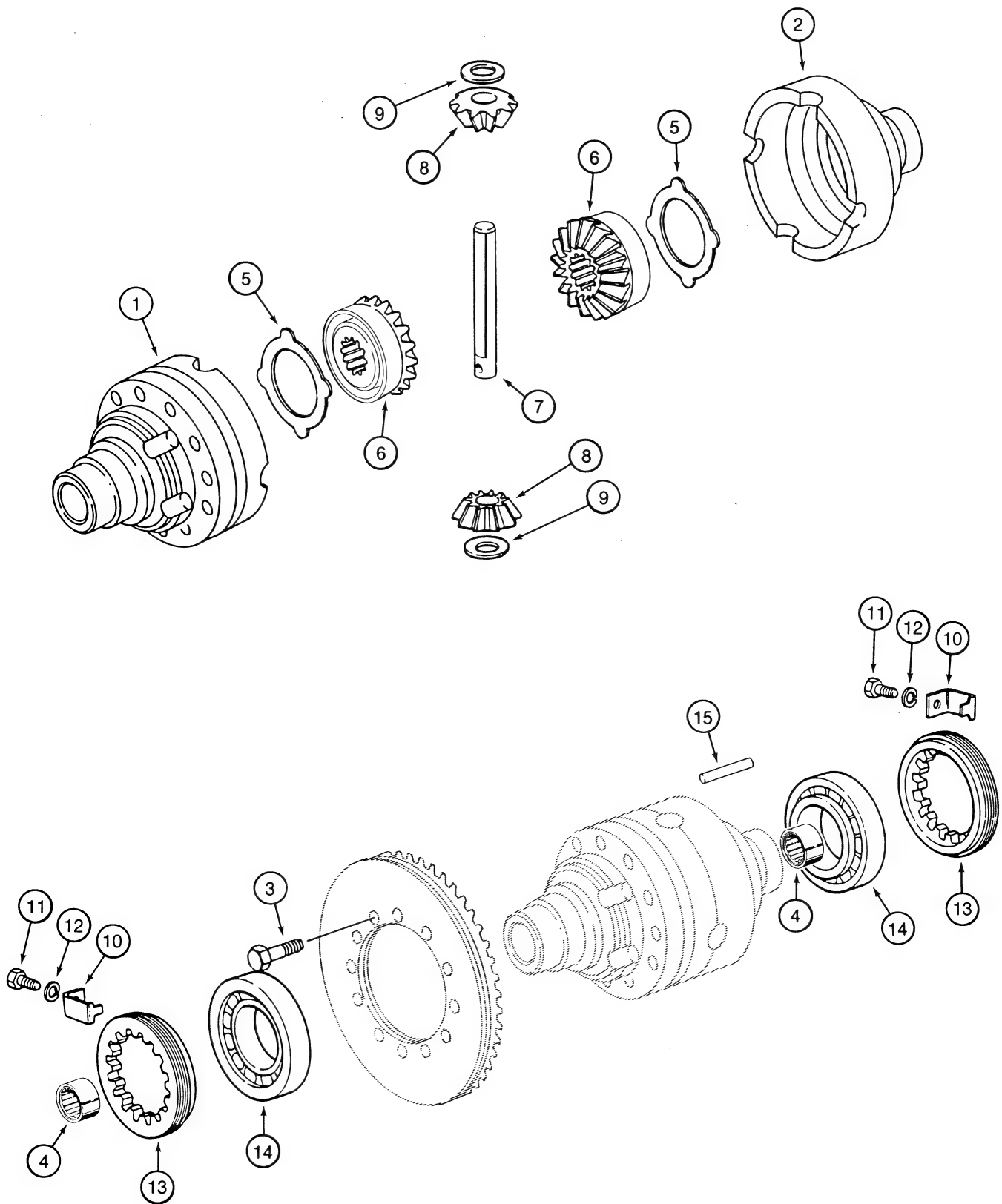


FRONT DRIVE AXLE

*DIFFERENTIAL

REF.	PART NO.	DESCRIPTION	REQ'D.
	*D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle, see page 6-43 for axles	1
	109686A1	HOUSING ASSEMBLY - differential, (replaces 1349056C1 housing) .	1
1	NSS	HOUSING - differential, flange half	1
2	NSS	HOUSING - differential, plain half	1
3	827-10075	BOLT - hex, 10 - 1.5 x 75 mm, class 10.9	12
4	1967003C1	WASHER - thrust, differential housing, (replaces N13618 washer)	2
5	N14407	GEAR - side, differential	2
6	K395087	SHAFT - pinion gear	1
7	N14408	GEAR - pinion, differential	2
8	K395075	WASHER - thrust, pinion gear	2
9	K261869	BRACKET - lock	2
10	614-6012	BOLT - hex, 6 - 1 x 12 mm, (replaces K261871 bolt)	2
11	892-11006	WASHER - lock, 6 mm, (replaces K261870 washer)	2
12	1966559C1	RING - locking, threaded, (replaces K261868 ring)	2
13	K395027	BEARING - tapered roller, differential	2
14	1967625C1	BUSHING - housing	2
15	K395086	PIN - dowel	1
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, bolt to differential housing, not shown (order B17575)	UAR

***NOTE:** See page 6-57 for differential used on D149673,
109937A1 or 127767A1 axle.

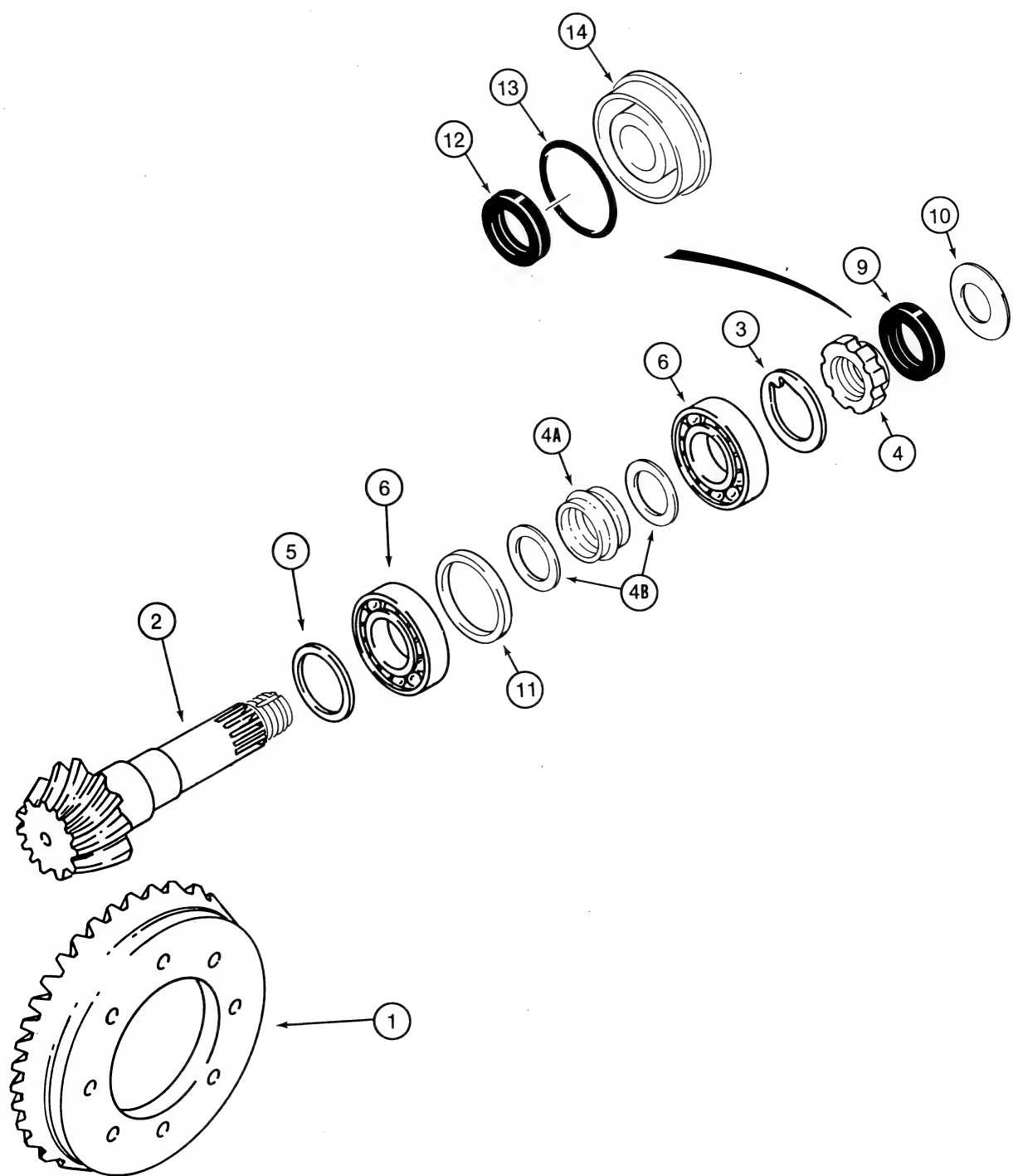


FRONT DRIVE AXLE

*DIFFERENTIAL

REF.	PART NO.	DESCRIPTION	REQ'D.
	*D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-61, does not include hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, purchase separately, if used...	1
	*127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, replaces 109937A1 axle, if used.....	1
	D150216	DIFFERENTIAL ASSEMBLY - front drive axle, also includes items 7-9 on page 6-43 and items 1-11 on page 6-61	1
	D150215	HOUSING ASSEMBLY - differential, with bushings, no longer available, order 109686A1 housing.....	1
	109686A1	HOUSING ASSEMBLY - differential, without bushings, item 4 bushing not used with this assembly.....	1
1	NSS	HOUSING - differential, flange half.....	1
2	NSS	HOUSING - differential, plain half.....	1
3	827-10075	BOLT - hex, 10 - 1.5 x 75 mm, class 10.9.....	12
4	1967625C1	BUSHING - D150215 housing	2
5	1967003C1	WASHER - thrust, differential housing, (replaces N13618 washer)	2
6	N14407	GEAR - side, differential	2
7	K395087	SHAFT - pinion gear.....	1
8	N14408	GEAR - pinion, differential.....	2
9	K395075	WASHER - thrust, pinion gear	2
10	K261869	BRACKET - lock.....	2
11	614-6012	BOLT - hex, 6 - 1 x 12 mm, (replaces K261871 bolt)	2
12	892-11006	WASHER - lock, 6 mm, (replaces K261870 washer)	2
13	1966559C1	RING - locking, threaded, (replaces K261868 ring)	2
14	K395027	BEARING - tapered roller, differential.....	2
15	K395086	PIN - dowel	1
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, bolt to differential housing, not shown (order B17575).....	UAR

*NOTE: See page 6-55 for differential used on D146847 axle.

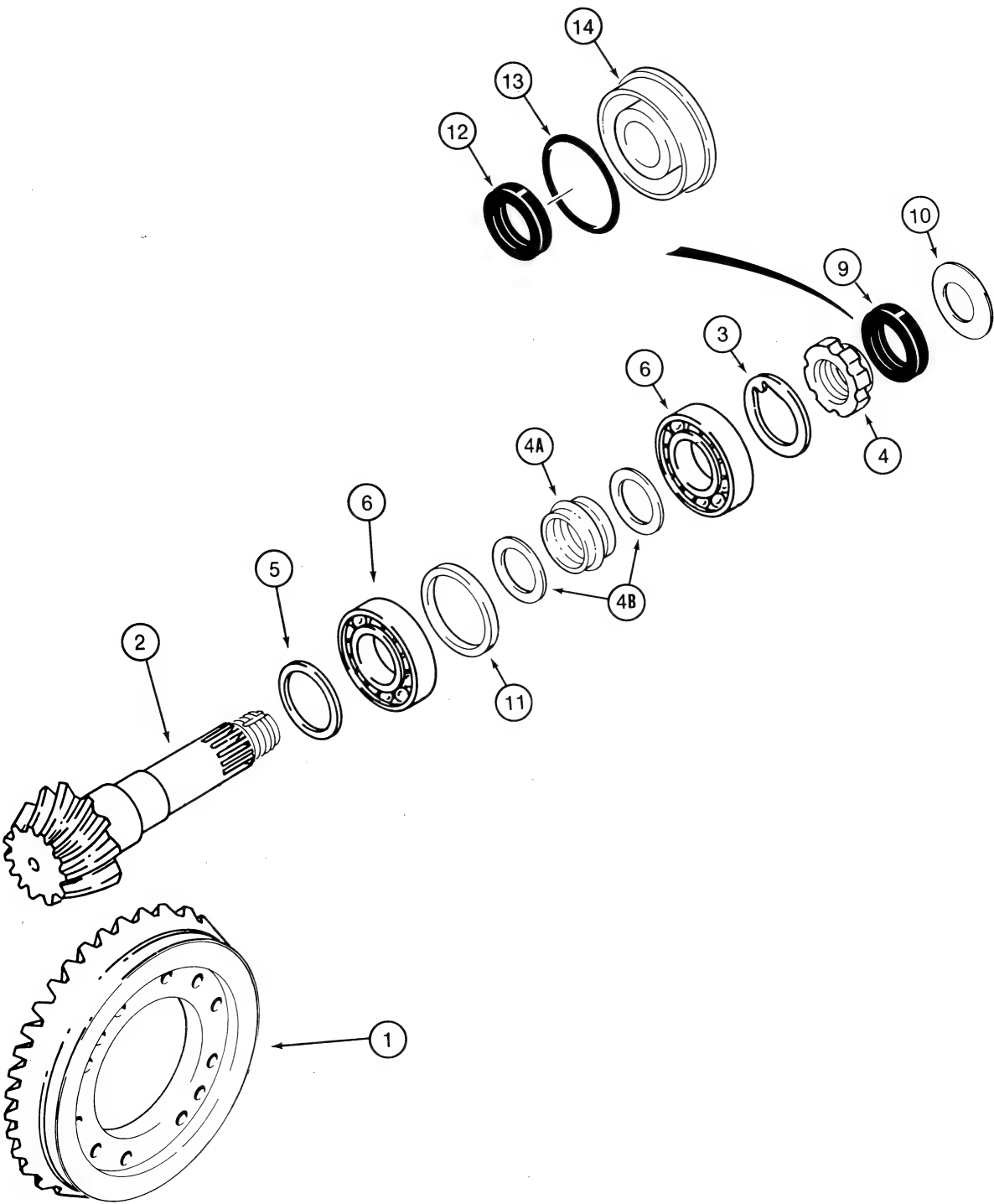


FRONT DRIVE AXLE

*RING AND PINION GEAR SET

REF.	PART NO.	DESCRIPTION	REQ'D.
	*D146847	AXLE ASSEMBLY - front drive, Carraro No. 126140, parts list pages 6-43 - 6-59, no longer available, order D149673 axle.....	1
	D149266	GEAR SET - ring and pinion, includes items 1 - 4B and 11.....	1
1	NSS	GEAR - ring, differential, replacement gear ring may look like item 1 ring, shown on page 6-60	1
2	NSS	GEAR - pinion, differential	1
3	K261065	WASHER - special, replaces N7536	1
4	K261014	RING - nut, pinion gear, (replaces K261852 ring)	1
4A	1349058C1	SPACER - collapsible	1
4B	1349059C1	WASHER - spacer	2
5	K965280	SHIM - 2.50 mm thick	UAR
5	K965282	SHIM - 2.60 mm thick	UAR
5	K965284	SHIM - 2.70 mm thick	UAR
5	K965286	SHIM - 2.80 mm thick	UAR
5	K965288	SHIM - 2.90 mm thick	UAR
5	K965290	SHIM - 3.00 mm thick	UAR
5	K965292	SHIM - 3.10 mm thick	UAR
5	K965294	SHIM - 3.20 mm thick	UAR
5	K965296	SHIM - 3.30 mm thick	UAR
5	K965298	SHIM - 3.40 mm thick	UAR
6	K395090	BEARING - tapered roller, pinion gear	2
9	D149731	SEAL - oil, used with item 10, D149732, cover, no longer available, order items 12, K262143, seal, 13, 238-5152, O-ring, and 14, 128570A1, cover.....	1
10	D149732	COVER - differential, does not require an O-ring, used with item 9, D149731, seal, if used	1
11	N14405	SPACER - bearing cup, included with D149266 gear set.....	1
12	K262143	SEAL - oil, used with item 14, 128570A1, cover	1
13	238-5152	O-RING - 3-1/4 ID x 3/32 inch wide, used with item 14, 128570A1, cover	1
14	128570A1	COVER - differential, used with items 12, K262143, oil seal and 13, 238-5152, O-ring.....	1
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, differential cover to differential carrier, not shown (order B17575)	UAR

***NOTE:** See page 6-61 for ring and pinion gear set used
on D149673, 109937A1 or 127767A1 axle.

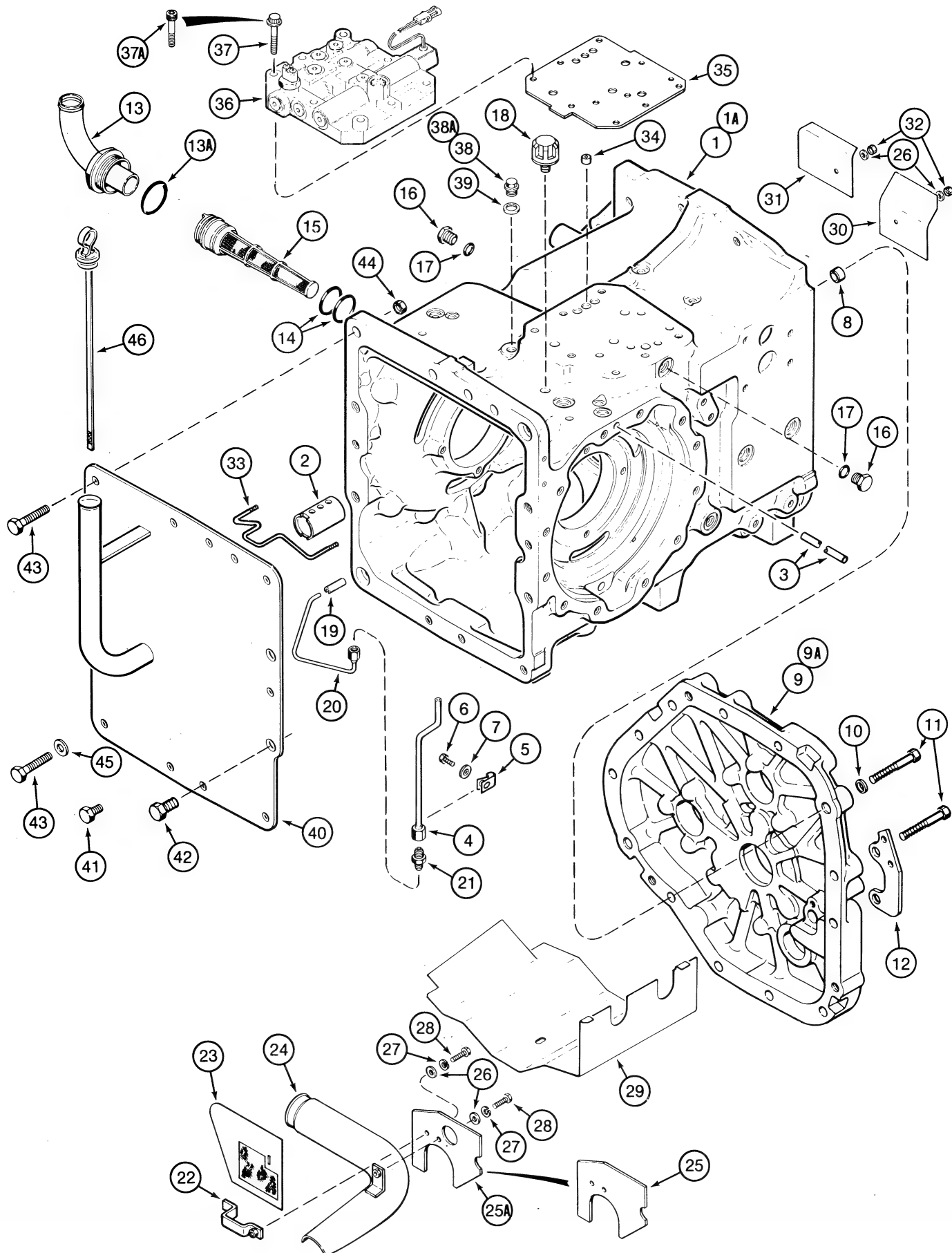


FRONT DRIVE AXLE

*RING AND PINION GEAR SET

REF.	PART NO.	DESCRIPTION	REQD.
	*D149673	AXLE ASSEMBLY - front drive, Carraro No. 127085, parts list pages 6-43 - 6-61, does not include hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, purchase separately, if used... 1	
	*127767A1	AXLE ASSEMBLY - front drive, Carraro No. CAV91-767, parts list pages 6-43 - 6-61, includes hydraulic fittings at steering cylinder, items 4 and 16 on page 6-39, replaces 109937A1 axle, if used..... 1	
	D150216	DIFFERENTIAL ASSEMBLY - front dive axle, also includes items 7-9 on page 6-43 and items 1-15 on page 6-57 1	
	D149266	GEAR - set, ring and pinion, includes items 1 - 4B and 11..... 1	
1	NSS	GEAR - ring, differential..... 1	
2	NSS	GEAR - pinion, differential 1	
3	K261065	WASHER - special, replaces N7536 1	
4	K261014	RING - nut, pinion gear, (replaces K261852 ring) 1	
4A	1349058C1	SPACER - collapsible 1	
4B	1349059C1	WASHER - spacer..... 2	
5	K965280	SHIM - 2.50 mm thick UAR	
5	K965282	SHIM - 2.60 mm thick UAR	
5	K965284	SHIM - 2.70 mm thick UAR	
5	K965286	SHIM - 2.80 mm thick UAR	
5	K965288	SHIM - 2.90 mm thick UAR	
5	K965290	SHIM - 3.00 mm thick UAR	
5	K965292	SHIM - 3.10 mm thick UAR	
5	K965294	SHIM - 3.20 mm thick UAR	
5	K965296	SHIM - 3.30 mm thick UAR	
5	K965298	SHIM - 3.40 mm thick UAR	
6	K395090	BEARING - tapered roller, pinion gear..... 2	
9	D149731	SEAL - oil, used with item 10, D149732, cover, no longer available, order items 12, K262143, seal, 13, 238-5152, O-ring, and 14, 128570A1, cover..... 1	
10	D149732	COVER - differential, does not require an O-ring, used with item 9, D149731, seal, if used..... 1	
11	N14405	SPACER - bearing cup, included with D149266 gear set..... 1	
12	K262143	SEAL - oil, used with item 14, 128570A1, cover 1	
13	238-5152	O-RING - 3-1/4 ID x 3/32 inch wide, used with item 14, 128570A1, cover..... 1	
14	128570A1	COVER - differential, used with items 12, K262143, oil seal and 13, 238-5152, O-ring..... 1	
	M20704	SEALANT - 3 oz (89 ml) of sealant in a tube, differential cover to differential carrier, not shown (order B17575) UAR	

***NOTE:** See page 6-59 for ring and pinion gear set used on D146847 axle.



TRANSAXLE ASSEMBLY

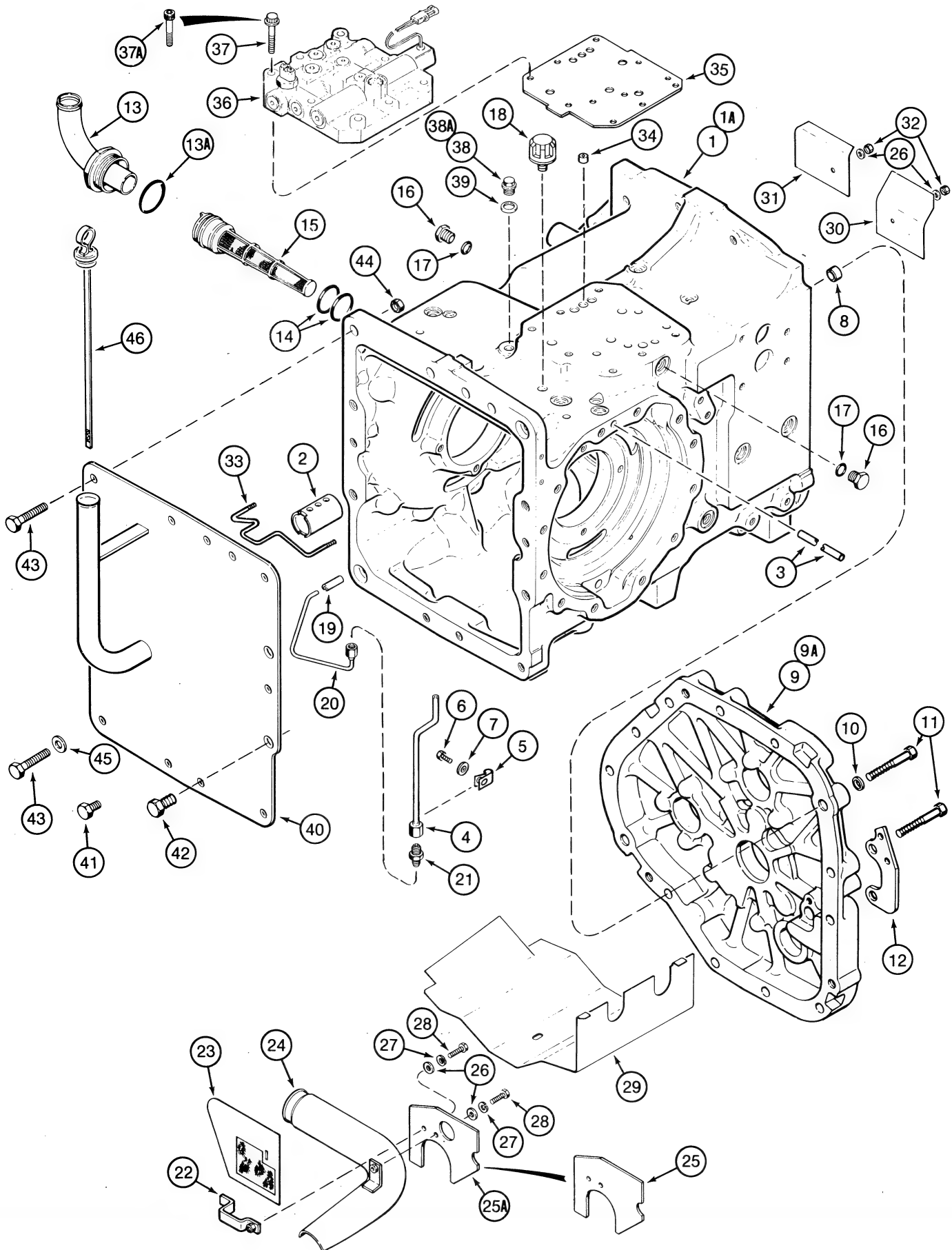
TRANSAXLE TRANSMISSION HOUSING

TWO AND FOUR WHEEL DRIVE

REF.	PART NO.	DESCRIPTION	REQD.
1	A183561	HOUSING ASSEMBLY - transaxle, prior to transaxle SN 202016, no longer available, order 1995141C1 housing and 1995142C1 shift rail, item 1A below and item 21A on page 6-67	1
1A	1995141C1	HOUSING ASSEMBLY - transaxle SN 202016 and after, used with 1995142C1 shift rail, item 21A on page 6-67	1
2	A183013	SLEEVE - wear, shuttle clutch shaft	1
3	A188564	TUBE - cooling, brake	1
4	A188001	TUBE - pinion lubrication	1
5	A183210	CLAMP - tube	1
6	614-10016	BOLT - hex, 10 - 1.5 x 16 mm	1
7	895-11010	WASHER - flat, 11 x 21 x 2 mm	1
8	A175944	SLEEVE - dowel, front housing	2
9	A188903	COVER - housing, front, without PTO	1
9A	A188904	COVER - housing, front, with PTO	1
10	96-31066	WASHER - flat, 21/32 x 1-5/16 x 3/16 inch, hardened	11
11	828-16080	BOLT - hex, 16 - 2 x 80 mm, class 10.9	13
12	A186976	BRACKET - parking brake cable	1
13	A188031	ELBOW - hose fitting	1
13A	218-5013	O-RING - elbow	1
14	238-6135	O-RING - 1-15/16 ID x 3/32 inch wide	2
15	A188034	FILTER - oil suction inlet	1
16	218-5156	PLUG - hex, 3/4-16 inch O-ring boss, drain	2
17	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
18	1971726C1	BREATHER - housing	1
19	A190247	BUSHING - pinion lubrication tube	1
20	A186996	TUBE - pinion lubrication	1
21	A188454	ADAPTER - lube tube	1
22	A186733	BRACKET - lower baffle	1
23	A186606	BAFFLE - with screen	1
24	A188032	TUBE - suction, oil pick-up	1
25	A186993	BAFFLE - lower right, without PTO	1
25A	A186992	BAFFLE - lower right, with PTO	1
26	895-11006	WASHER - flat, 6.6 x 12.5 x 1.6 mm	4
27	892-11006	WASHER - lock, 6 mm	2
28	614-6030	BOLT - hex, 6 - 1 x 30 mm	2
29	A186612	BAFFLE - main	1
30	A186602	BAFFLE - upper right	1
31	A186603	BAFFLE - upper left	1
32	832-41306	NUT - hex, self-locking, 6 mm - 1, class 10, prevailing torque	2
33	A186601	RETAINER - threaded, upper baffle	1
34	A183319	ORIFICE - clutch pack lubrication, if used	1
35	1341102C1	GASKET - valve to housing	1

NOTE: For correct complete transaxle assembly part number see page 6-19.

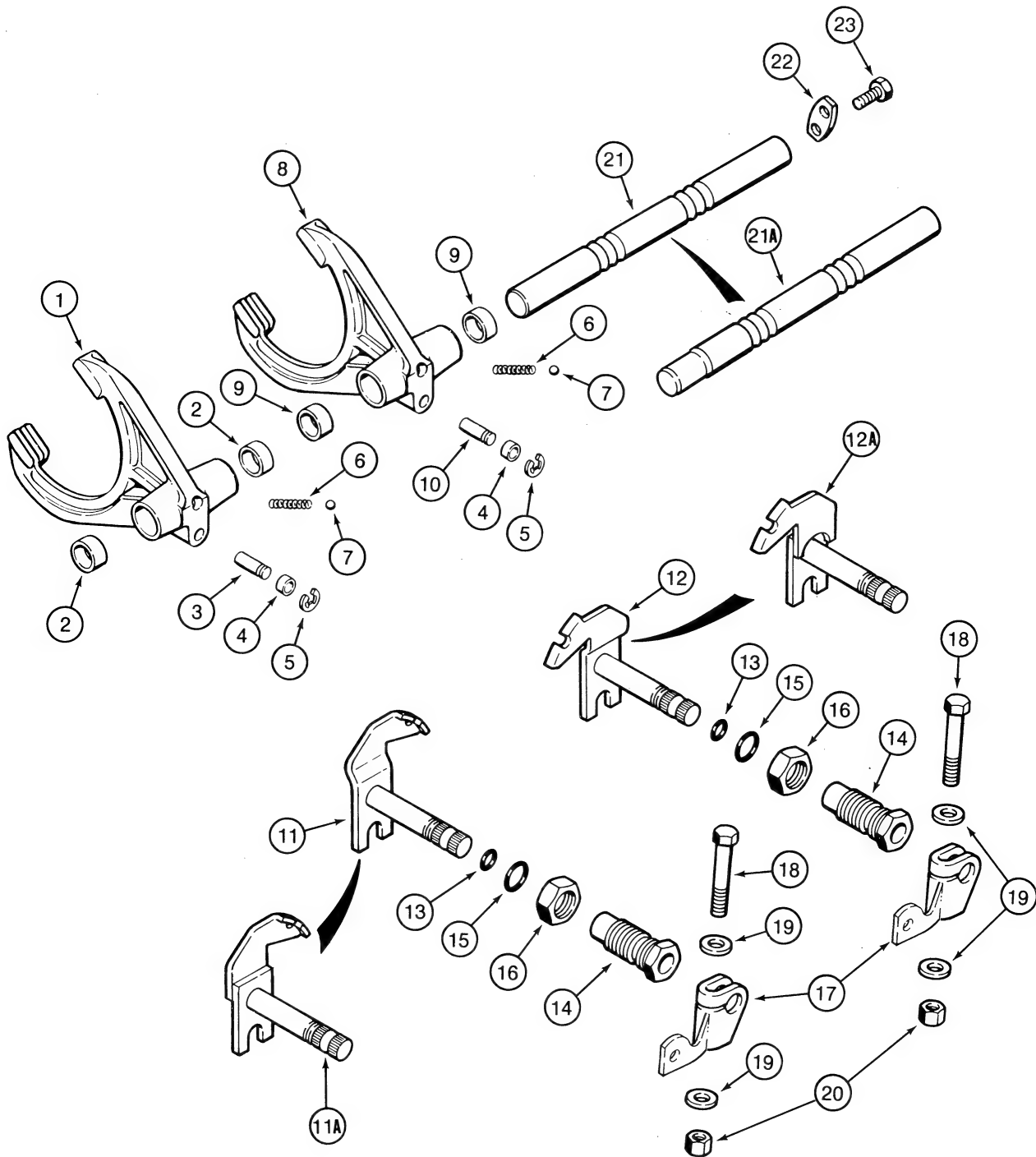
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TRANSAXLE ASSEMBLY**TRANSAXLE TRANSMISSION HOUSING
TWO AND FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQD.
36	REF	VALVE ASSEMBLY - power shuttle, for correct assembly and components, see pages 6-23 - 6-27.....	1
37	828-10060	BOLT - hex, 10 - 1.5 x 60 mm, class 10.9.....	7-8
37A	861-10060	BOLT - hex socket, 10 - 1.5 x 60 mm, class 10.9, if used.....	1
38	J924147	PLUG - magnetic, oil drain, if used, replaces J911638.....	1
38A	934164R1	PLUG - 18 mm, non-magnetic, oil drain, if used.....	1
39	J920773	WASHER - sealing (replaces J900216 washer).....	1
40	A190137	COVER - housing, rear, without PTO.....	1
41	806-16025	BOLT - hex, 16 - 2 x 25 mm, class 10.9, without PTO.....	5
42	628-20030	BOLT - hex, 20 - 2.5 x 30 mm, class 10.9, without PTO.....	4
43	828-16060	BOLT - hex, 16 - 2 x 60 mm, class 10.9, without PTO.....	6
44	829-1316	NUT - hex, 16 mm, without PTO.....	5
45	96-81009	WASHER - flat, 11/16 x 1-1/2 x 1/8 inch, lower left hand and upper right-hand corner of rear housing cover, without PTO.....	2
46	A183331	DIPSTICK - oil level, without PTO.....	1

NOTE: For correct complete transaxle assembly part number see page 6-19.

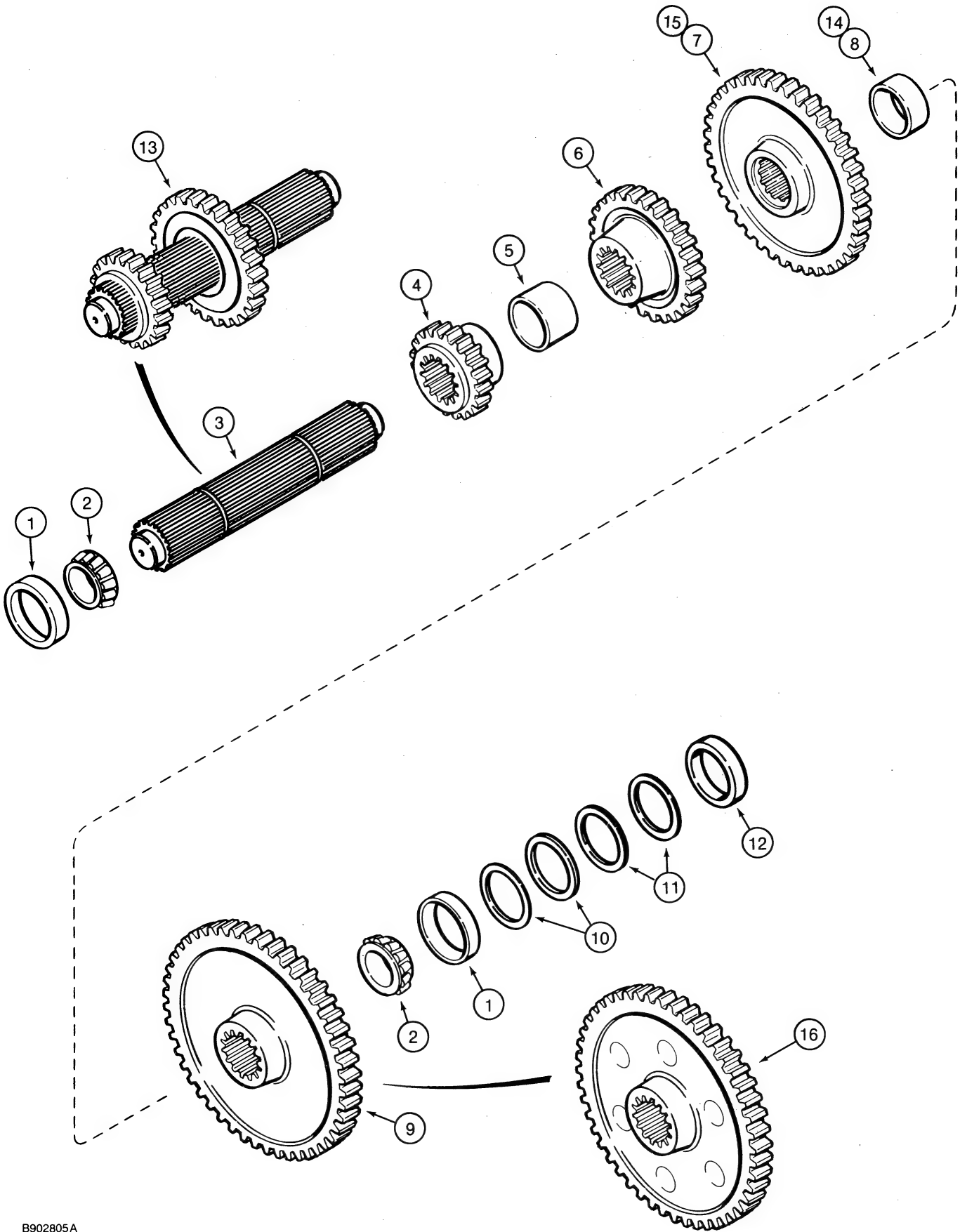


TRANSAXLE ASSEMBLY

TRANSAXLE SHIFTER MECHANISM

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A183009	FORK ASSEMBLY - gear shift, first and second.....	1
2	A178367	BUSHING - shift fork.....	2
3	A183146	PIN - shift fork.....	1
4	A178954	SLEEVE - shift fork pin.....	2
5	381478R1	E-RING - shift fork pin, replaces A183147.....	2
6	A175971	SPRING - detent.....	2
7	211-212	BALL - 7/16 inch, grade 50, chrome alloy steel.....	2
8	A183009	FORK ASSEMBLY - gear shift, third and fourth.....	1
9	A178367	BUSHING - shift fork.....	2
10	A183146	PIN - shift fork.....	1
11	A190285	ARM - gear shift, first and second, no longer available, order (1) item 11A, 1964326C1 and (1) item 12A, 1964325C1 arms.....	1
11A	1964326C1	ARM - gear shift, first and second.....	1
12	A190286	ARM - gear shift, third and fourth, no longer available, order (1) item 11A, 1964326C1 and (1) item 12A, 1964325C1 arms.....	1
12A	1964325C1	ARM - gear shift, third and fourth.....	1
13	A178252	O-RING - acuator shaft.....	2
14	A188301	BUSHING - shift mechanism.....	2
15	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	2
16	218-1280	NUT - hex, self-locking, 1-1/16 inch NF.....	2
17	1995109C1	LEVER - shaft actuating, (replaces A190370 lever).....	2
18	827-12070	BOLT - hex head, 12 - 1.75 x 70 mm.....	2
19	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened.....	4
20	829-1412	NUT - hex, 12 mm - 1.75, class 10.....	2
21	A188348	RAIL - shifter fork, used with A183561 housing, item 1 on page 6-63, prior to transaxle SN 202016, if used.....	1
21A	1995142C1	RAIL - shifter fork, used with 1995141C1 housing, item 1A on page 6-63, transaxle SN 202016 and after, if used.....	1
22	A178279	PLATE - shift rail lock.....	1
23	626-10020	BOLT - hex, 10 - 1.5 x 20 mm, class 10.9.....	2

NOTE: For correct complete transaxle assembly part number
see page 6-19.



TRANSAXLE ASSEMBLY

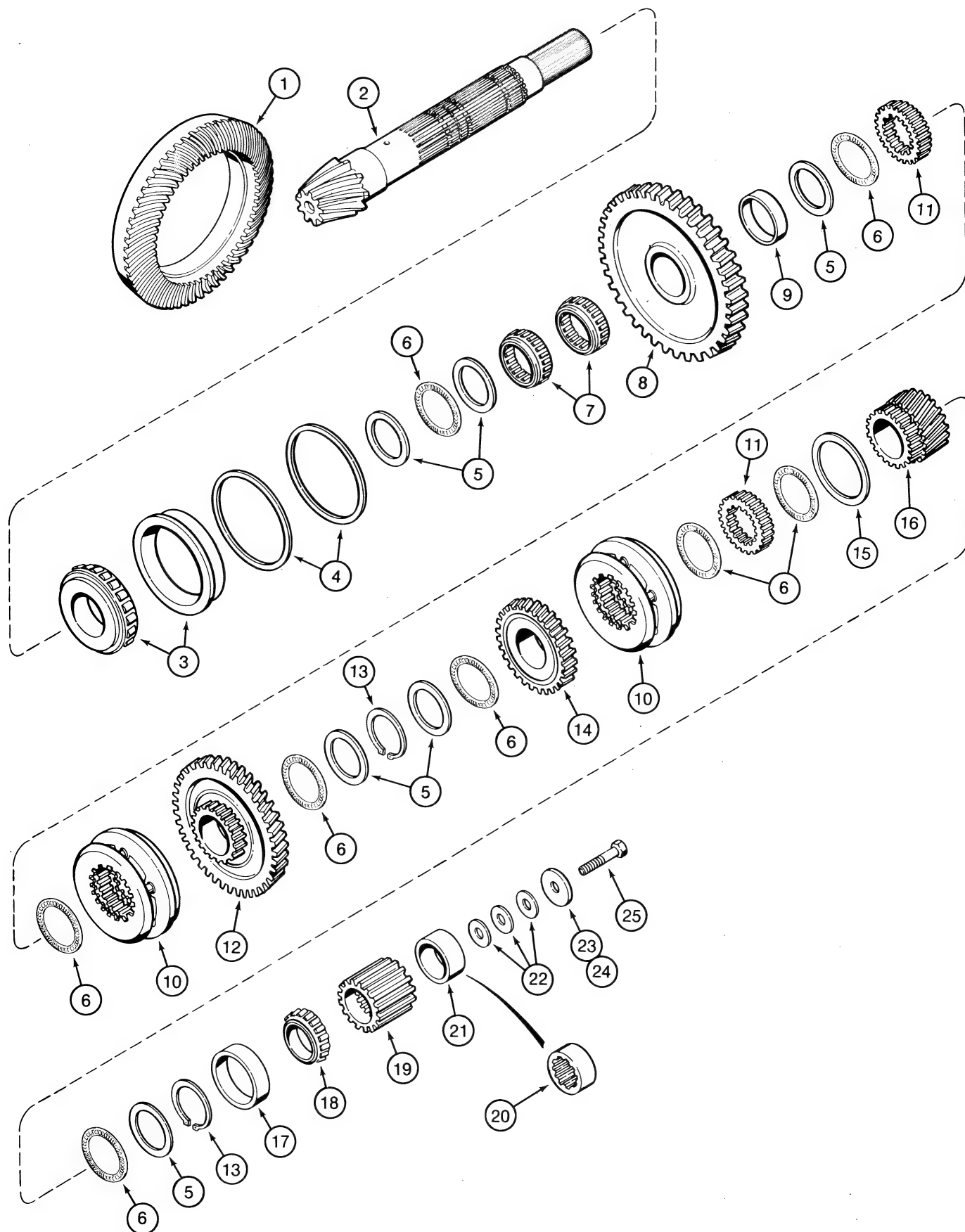
TRANSAXLE INTERMEDIATE SHAFT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	618024R1	CUP - tapered roller bearing, (replaces G57451 cup).....	2
2	618023R91	BEARING - tapered roller, (replaces G57452 bearing).....	2
3	*A183911	SHAFT - intermediate, transaxle, if used.....	1
4	*A190078	GEAR - drive, first, 25 teeth.....	1
5	*A186385	SPACER - first and second gear.....	1
6	*A190087	GEAR - drive, second, 35 teeth.....	1
7	*A190086	GEAR - drive, third, 53 teeth.....	1
8	*A186384	SPACER - 1-3/4 inch ID, third and fourth gear.....	1
9	*A190085	GEAR - drive, fourth, 97 teeth, no longer available, order (1) each of items 13, shaft, 14, spacer, 15 and 16, gears.....	1
10	A175453	SHIM - bearing adjusting, 0.18 mm.....	UAR
10	A175454	SHIM - bearing adjusting, 0.51 mm.....	UAR
11	K915558	SHIM - bearing adjusting, 0.08 mm.....	UAR
11	K915559	SHIM - bearing adjusting, 0.13 mm.....	UAR
12	A175689	SPACER - intermediate shaft.....	1
13	**A190304	SHAFT - intermediate, with first and second drive gears, transaxle, if used.....	1
14	**A190327	SPACER - 1-21/32 inch ID, third and fourth gear.....	1
15	**A190310	GEAR - drive, third, 53 teeth.....	1
16	**A190312	GEAR - drive, fourth, 97 teeth.....	1

***NOTE:** Items 4 through 9 must be used with item 3, A183911, shaft. Individual parts are not interchangeable with items 13 - 16.

****NOTE:** Items 14 through 16 must be used with item 13, A190304, shaft. Individual parts are not interchangeable with items 3 - 9.

NOTE: For correct complete transaxle assembly part number see page 6-19.



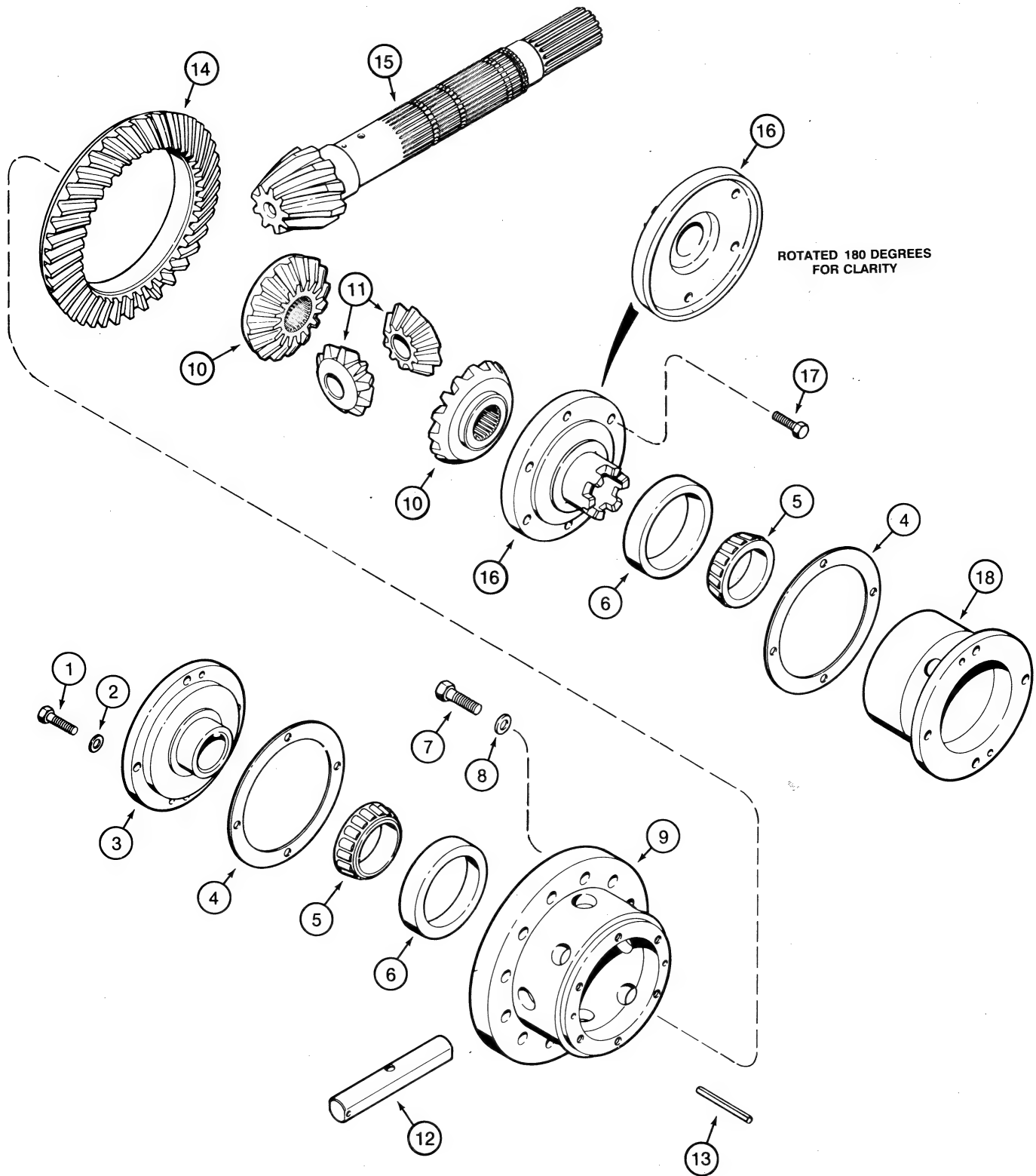
TRANSAXLE ASSEMBLY

TRANSAXLE COUNTERSHAFT

REF.	PART NO.	DESCRIPTION	REQD.
	A190330	GEAR ASSEMBLY - ring and pinion, matched set, includes bearing assembly.....	1
1	NSS	GEAR - ring	1
2	NSS	PINION - bevel.....	1
3	A190455	BEARING ASSEMBLY - cup and tapered roller bearing, rear cover...	1
4	A188020	SHIM - pinion adjusting, 0.08 mm.....	UAR
4	A188021	SHIM - pinion adjusting, 0.18 mm.....	UAR
4	A188022	SHIM - pinion adjusting, 0.25 mm.....	UAR
4	A188023	SHIM - pinion adjusting, 0.51 mm.....	UAR
5	A150067	WASHER - thrust, needle bearing	6
6	K620185	BEARING - needle, thrust	8
7	80907C1	BEARING - needle, radial, replaces A175430.....	2
8	A190077	GEAR - driven, first, 64 teeth.....	1
9	A175708	SPACER - bearing.....	1
10	A188592	SYNCHRONIZER - countershaft.....	2
11	A188630	HUB - sliding collar, synchronizer	2
12	A190335	GEAR - driven, second, 54 teeth.....	1
13	103-11225	RING - external retaining, No. 125, (replaces F40807 ring)	2
14	A190338	GEAR - driven, third, 36 teeth.....	1
15	A183747	WASHER - fourth gear	1
16	A190339	GEAR - driven, fourth, 37 teeth	1
17	181251C1	CUP - tapered roller bearing.....	1
18	181250C91	BEARING - tapered roller, front cover	1
19	A186646	HUB - parking brake.....	1
20	1995134C1	SPACER - pinion shaft, 4 wheel drive only (replaces A175481 spacer).....	1
21	1345869C1	SPACER - pinion shaft, 2 wheel drive only	1
22	A188344	SHIM - pinion shaft spacer, 0.05 mm	UAR
22	A188345	SHIM - pinion shaft spacer, 0.127 mm	UAR
22	A186917	SHIM - pinion shaft spacer, 0.305 mm	UAR
22	A186918	SHIM - pinion shaft spacer, 1.017 mm	UAR
23	A186924	WASHER - pinion shaft, 4 wheel drive only	1
24	A188584	WASHER - pinion shaft, 2 wheel drive only	1
25	828-16110	BOLT - hex, 16 - 2 x 110 mm, class 10.9, 2 wheel drive only	1
25	1345879C1	BOLT - hex, 16 - 2 x 110 mm, class 10.9, 4 wheel drive only, (replaces 826-16110 bolt on 4 wheel drive models).....	1

NOTE: For the yoke that attaches to the front axle drive shaft on 4 wheel drive models, see page 6-81, item 1.

NOTE: For correct complete transaxle assembly part number see page 6-19.



TRANSAXLE ASSEMBLY**TRANSAXLE DIFFERENTIAL**

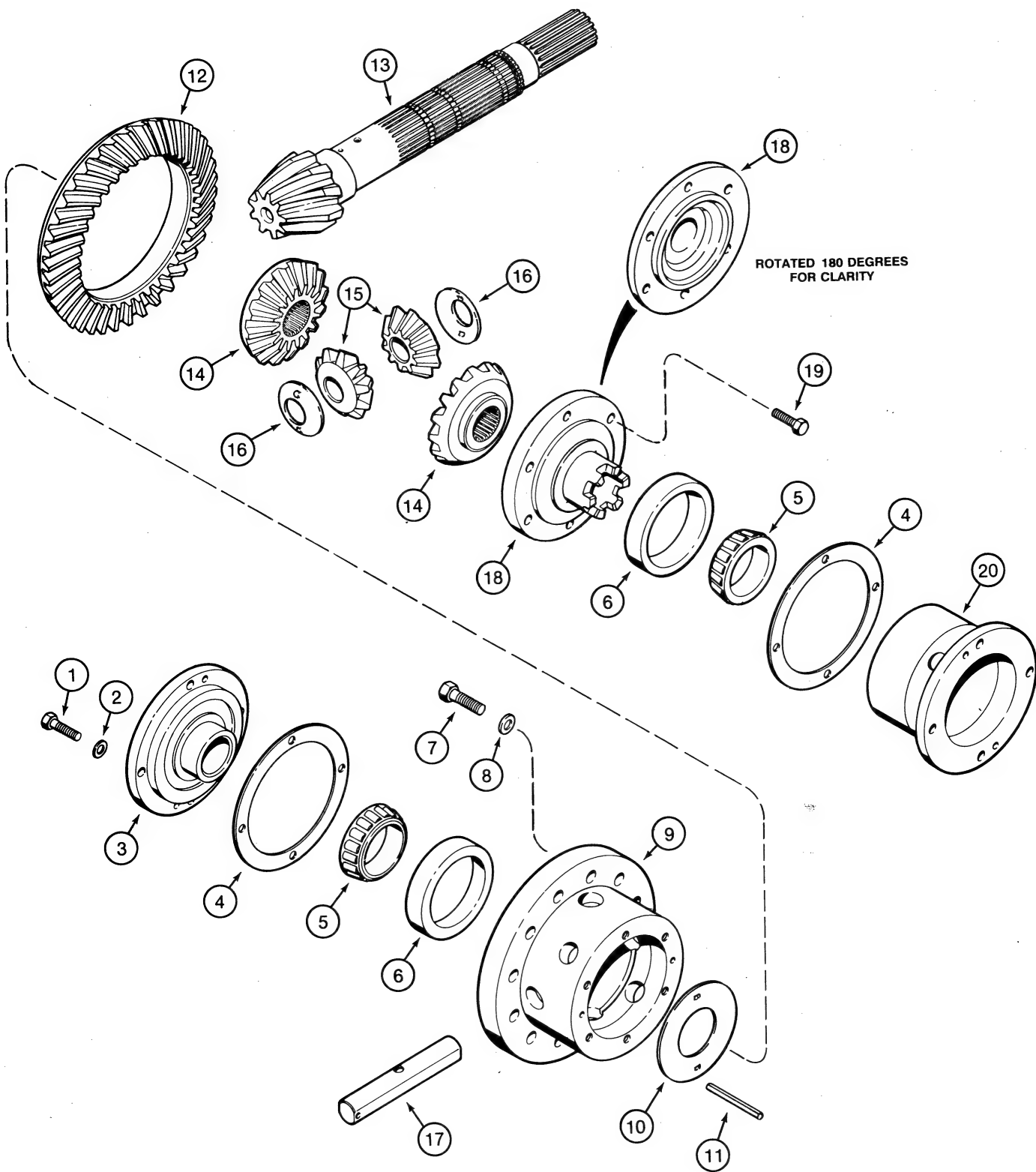
***MODELS WITHOUT THRUST WASHER AT PINION AND
SIDE GEARS - PRIOR TO TRANSAXLE SN JKA0202074**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	628-10030	BOLT - hex, 10 - 1.5 x 30 mm.....	8
2	A63995	WASHER - hardened	8
3	**A175200	CARRIER - bearing, differential, left.....	1
4	A175236	SHIM - bearing carrier, 0.003 inch	UAR
4	A175237	SHIM - bearing carrier, 0.007 inch	UAR
4	A175238	SHIM - bearing carrier, 0.010 inch	UAR
4	A175239	SHIM - bearing carrier, 0.025 inch	UAR
5	25695HO	CONE - bearing, replaces A37160.....	2
6	22396V	CUP - bearing, replaces A7890.....	2
7	826-12045	BOLT - hex, 12 - 1.75 x 45 mm.....	12
8	26273R1	WASHER - flat, 17/32 x 1-1/16 x 1/8 inch	12
9	**A178135	CARRIER - differential, flanged half.....	1
10	**A186833	GEAR - side, 16 tooth.....	2
11	A188633	GEAR - pinion, 10 tooth.....	2
12	**A178132	PIN - differential spider	1
13	38-11652	PIN - roll, 1/4 x 3-1/4 inch.....	1
	A190010	PINION AND RING GEAR - matched set.....	1
14	NSS	GEAR - ring	1
15	NSS	PINION - bevel.....	1
16	**A186835	CARRIER - differential half.....	1
17	628-10030	BOLT - hex, 10 - 1.5 x 30 mm.....	6
18	A175242	CARRIER - bearing, differential, right	1

NOTE: for correct complete transaxle assembly part number
see page 6-19.

***NOTE:** Reference thrust washer is found on page 6-75, item 16.

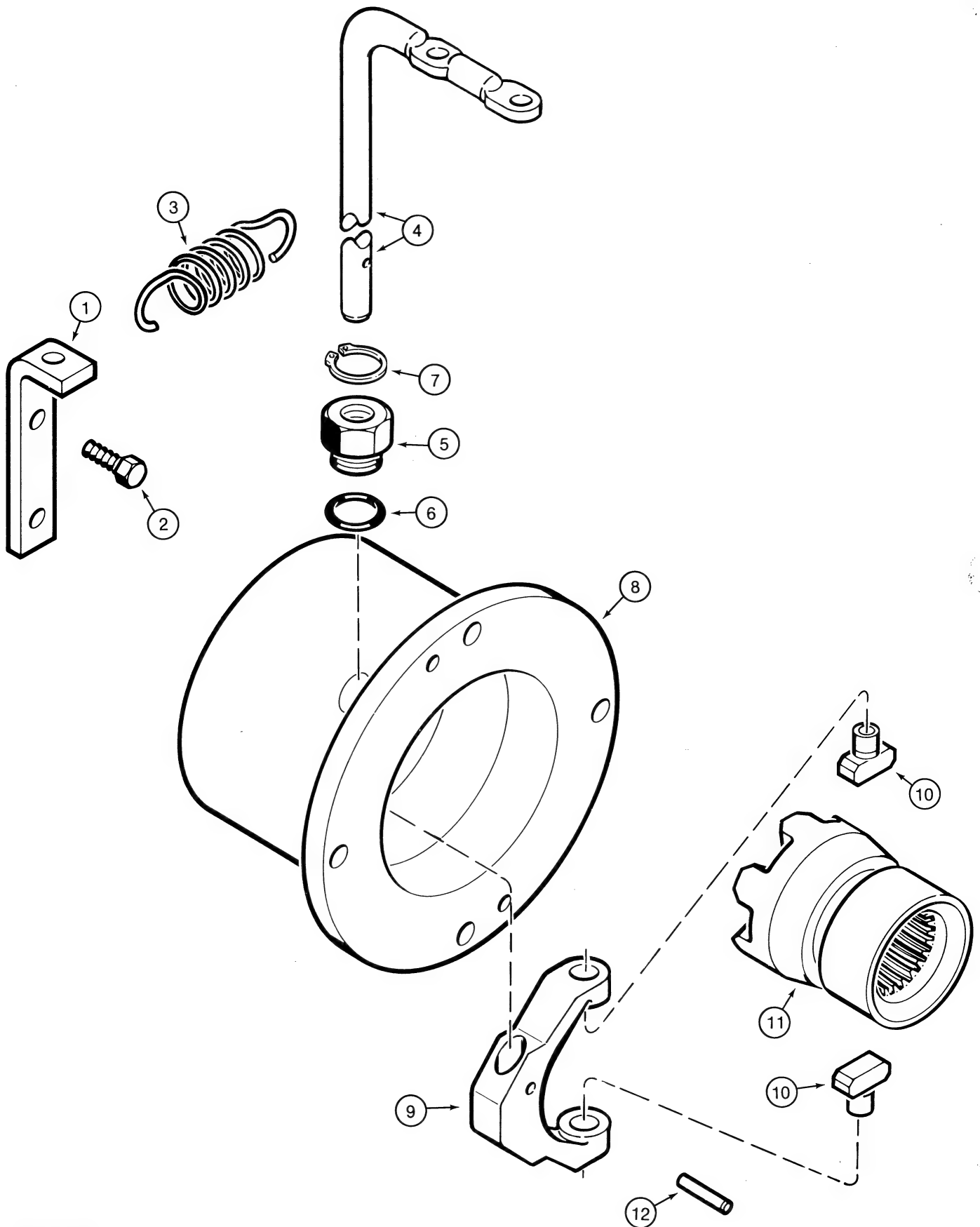
****NOTE:** The above parts with a double asterisk are no longer
available, for service order 1345865C1 bearing carrier,
1345864C1 differential carrier, and 1345909C1 kit, items
3, 9-11, and 14-18 on page 6-75.



TRANSAXLE ASSEMBLY**TRANSAXLE DIFFERENTIAL****MODELS WITH THRUST WASHER (ITEM 16) AT PINION AND
SIDE GEARS - TRANSAXLE SN JKA0202074 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQD.
1	628-10030	BOLT - hex, 10 - 1.5 x 30 mm, class 10.9.....	8
2	A63995	WASHER - hardened	8
3	1345865C1	CARRIER - bearing, differential, left-hand	1
4	A175236	SHIM - bearing carrier, 0.08 mm.....	UAR
4	A175237	SHIM - bearing carrier, 0.018 mm.....	UAR
4	A175238	SHIM - bearing carrier, 0.25 mm.....	UAR
4	A175239	SHIM - bearing carrier, 0.63 mm.....	UAR
5	25695HO	BEARING - tapered roller, replaces ST2007A.....	2
6	22396V	CUP - tapered roller bearing, replaces 13363D.....	2
7	826-12045	BOLT - hex, 12 - 1.75 x 45 mm, class 10.9.....	12
8	396-21053	WASHER - flat, 17/32 x 1-1/16 x 1/8 inch	12
9	1345864C1	CARRIER - differential, flanged half, with internal groove.....	1
10	*A183870	WASHER - thrust, flat, replaces 1345640C1	1
11	*38-11652	PIN - slotted spring, 1/4 x 3-1/4 inch, (replaces 138-147 pin)	1
	A190330	GEAR ASSEMBLY - ring and pinion, matched set	1
12	NSS	GEAR - ring	1
13	NSS	PINION - bevel.....	1
14	*1345894C1	GEAR - side, 16 teeth	2
15	*A188633	GEAR - pinion, 10 teeth.....	2
16	*1345639C1	WASHER - thrust, spherical.....	2
17	*1345893C1	PIN - differential spider	1
18	*129905A1	CARRIER - bearing, right-hand, (replaces 1345866C1 carrier)	1
19	628-10030	BOLT - hex, 10 - 1.5 x 30 mm, class 10.9.....	6
20	A175242	CARRIER - differential, right-hand	1
	*1345909C1	KIT - differential service, includes all items with an asterisk.....	1

NOTE: For correct complete transaxle assembly part number
see page 6-19.

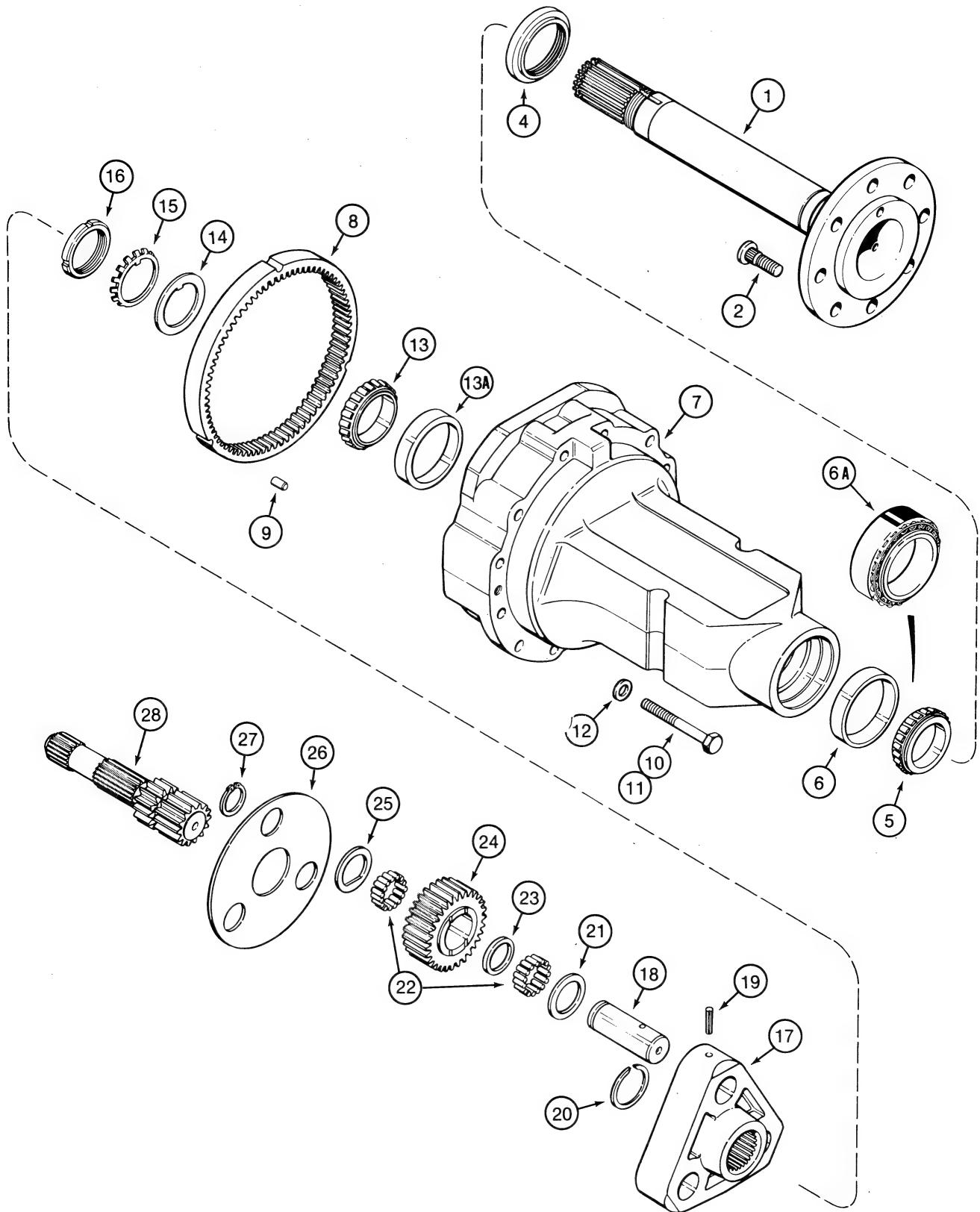


TRANSAXLE ASSEMBLY

TRANSAXLE DIFFERENTIAL LOCK

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A190233	BRACKET - spring anchor	1
2	613-8020	BOLT - hex, 8 - 1.25 x 20 mm.....	2
3	A190340	SPRING - lock shaft to bracket	1
4	A190317	SHAFT - differential lock rod, to differential lock pedal, item 20, shown on page 6-33	1
5	A175295	ADAPTER - shaft.....	1
6	237-6006	O-RING - 15/32 ID x 5/64 inch wide.....	1
7	26593R1	RING - external retaining, No. 50	1
8	A175242	CARRIER - differential	1
9	A190263	FORK ASSEMBLY - shift.....	1
10	A190265	FINGER - shift fork	2
11	A190264	COLLAR - differential lock.....	1
12	138-2067	PIN - spirol, 3/16 x 1 inch.....	1

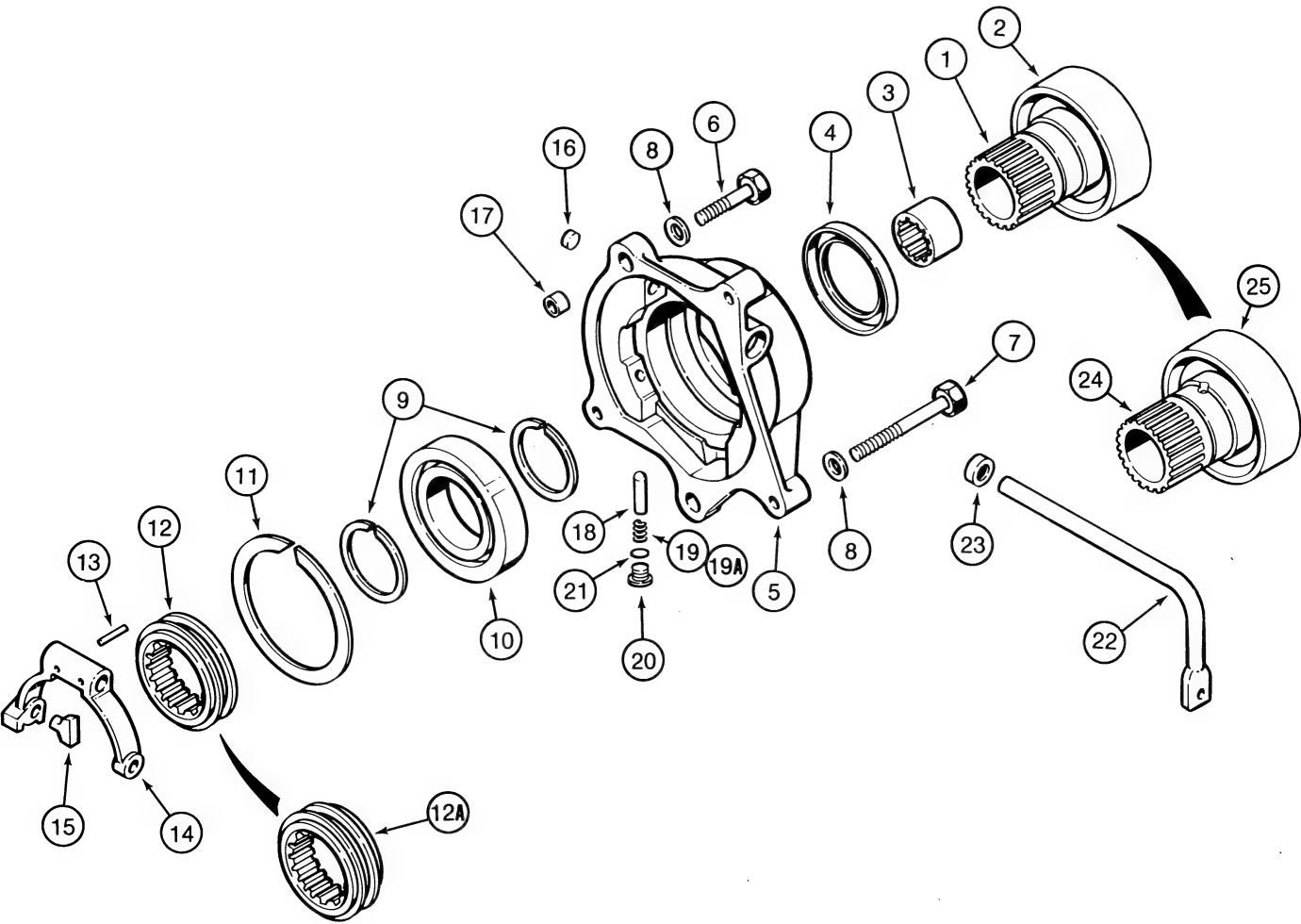
NOTE: For correct complete transaxle assembly part number see page 6-19. Also see page 6-33 for differential lock rod and attaching hardware.



TRANSAXLE ASSEMBLY**TRANSAXLE REAR AXLE AND PLANETARY GEARS**

REF.	PART NO.	DESCRIPTION	REQD.
	1995094C1	SHAFT ASSEMBLY - flanged, rear axle (replaces A188556 shaft).....	2
1	NSS	SHAFT - rear axle	1
2	3220372R2	BOLT - rear axle	8
4	A183953	SEAL - axle shaft.....	2
5	102161H	BEARING - tapered roller, outer, production only, order item 6A, 1997134C1 bearing assembly for service (after August 1994) 2	
6	29214H	CUP - tapered roller bearing, production only with item 5, outer bearing, for service of the outer cup and bearing, order item 6A, 1997134C1, bearing assembly	2
6A	1997134C1	BEARING - tapered roller, includes cup, service replacement for item 5 bearing and item 6 cup (not available until August 1994) 2	
7	A190130	HOUSING - rear axle	2
8	NSS	GEAR - planetary ring, (was part number A175955 which is no longer serviced separately, order A190130 housing).....	2
9	A175335	PIN - planetary ring gear	6
10	828-16130	BOLT - hex, 16 - 2 x 130 mm, class 10.9.....	2
11	828-16140	BOLT - hex, 16 - 2 x 140 mm, class 10.9.....	22
12	96-31066	WASHER - flat, 21/32 x 1-5/16 x 3/16 inch, hardened.....	24
13	190585R91	BEARING - tapered roller, inner.....	2
13A	29214H	CUP - tapered roller bearing, (replaces A26744 bearing cup).....	2
14	A175230	WASHER - thrust bearing	2
15	192-364	WASHER - bearing lock, SAE No. TW-113	2
16	131-1064	NUT - tapered roller bearing, TN13.....	2
17	A186686	CARRIER ASSEMBLY - planetary gear	2
18	A186685	PIN - planetary gear carrier.....	3
19	135-376	PIN - groove, 3/8 x 1-1/2 inch.....	3
20	A175241	RING - retaining, carrier to rear axle.....	2
21	A186642	WASHER - carrier pin	6
22	A178187	BEARING - roller	384
23	A178189	SPACER - roller bearing separator	6
24	A178193	GEAR - planetary, 28 teeth	6
25	A175338	D-WASHER - carrier pin.....	6
26	A186651	SHIELD - planetary gear	2
27	103-16175	RING - retaining, No. 175, heavy duty, planet gear, (replaces D25280 ring)	6
28	A188558	SHAFT - sun gear, right-hand	1
29	A188559	SHAFT - sun gear, left-hand, not shown.....	1

NOTE: For correct complete transaxle assembly part number see page 6-19.



TRANSAXLE ASSEMBLY

SHIFT MECHANISM OUTPUT SHAFT

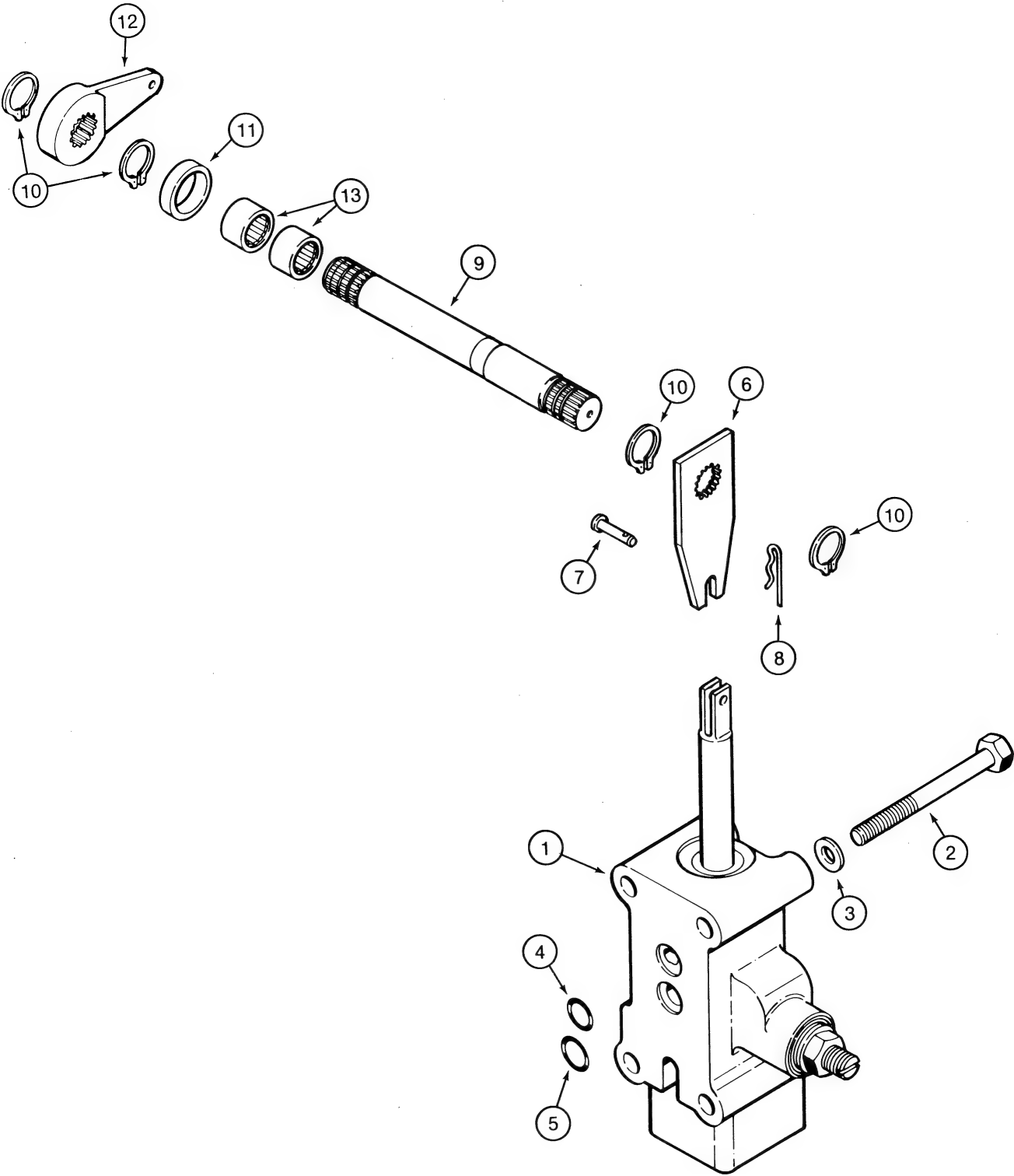
4 WHEEL DRIVE MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A188864	YOKE - output, 4 wheel drive, without lube port, no longer used, order 1995266C1 yoke, item 24.....	1
2	A188865	SLINGER - yoke	1
3	*1995134C1	SPACER - pinion shaft, replaces A175481 spacer	1
4	*A186909	SEAL - oil	1
5	A188304	HOUSING - 4 wheel drive.....	1
6	828-12060	BOLT - hex, 12 - 1.75 x 60 mm, class 10.9.....	1
7	828-12110	BOLT - hex, 12 - 1.75 x 110 mm, class 10.9.....	4
8	895-11012	WASHER - flat, 13.5 x 24 x 2.5 mm	5
9	100-11275	RING - external retaining, No. 275, ball bearing, replaces A31227	2
10	ST273A	BEARING - ball, 4 wheel drive output, replaces A186910.....	1
11	100-21500	RING - internal retaining, No. 500, replaces T38110 ring.....	1
12	A190322	COLLAR - 4 wheel drive shift, with lip flange, no longer available, order 1995025C1 collar, item 12A	1
12A	1995025C1	COLLAR - 4 wheel drive shift, grooved both sides.....	1
13	138-2067	PIN - spirol, 3/16 x 1 inch, heavy duty	2
14	A188334	FORK - front drive engagement	1
15	A188527	FINGER - differential lock collar	2
16	41-1010	PLUG - cup, 5/8 inch	1
17	A188330	SLEEVE - dowel	2
18	A188074	PIN - shift fork	1
19	G47039	SPRING - shift fork pin, 25/64 inch hole, 19/32 inch compressed length, if used.....	1
19A	1995200C1	SPRING - shift fork pin, 3/8 inch hole, 11/16 inch compressed length, if used.....	1
20	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss.....	1
21	237-6006	O-RING - 15/32 ID x 5/64 inch wide.....	1
22	A190448	LEVER - engagement, front drive	1
23	A178864	SEAL - oil, engagement lever	1
24	*1995266C1	YOKE - output, 4 wheel drive, with lube port.....	1
25	A188865	SLINGER - yoke	1

*1995265C1

KIT - service, lube, includes above items marked with an asterisk, plus item 22 shims on page 6-71 and 1345879C1 bolt, item 25 on page 6-71.

NOTE: For correct complete transaxle assembly part number see page 6-19.

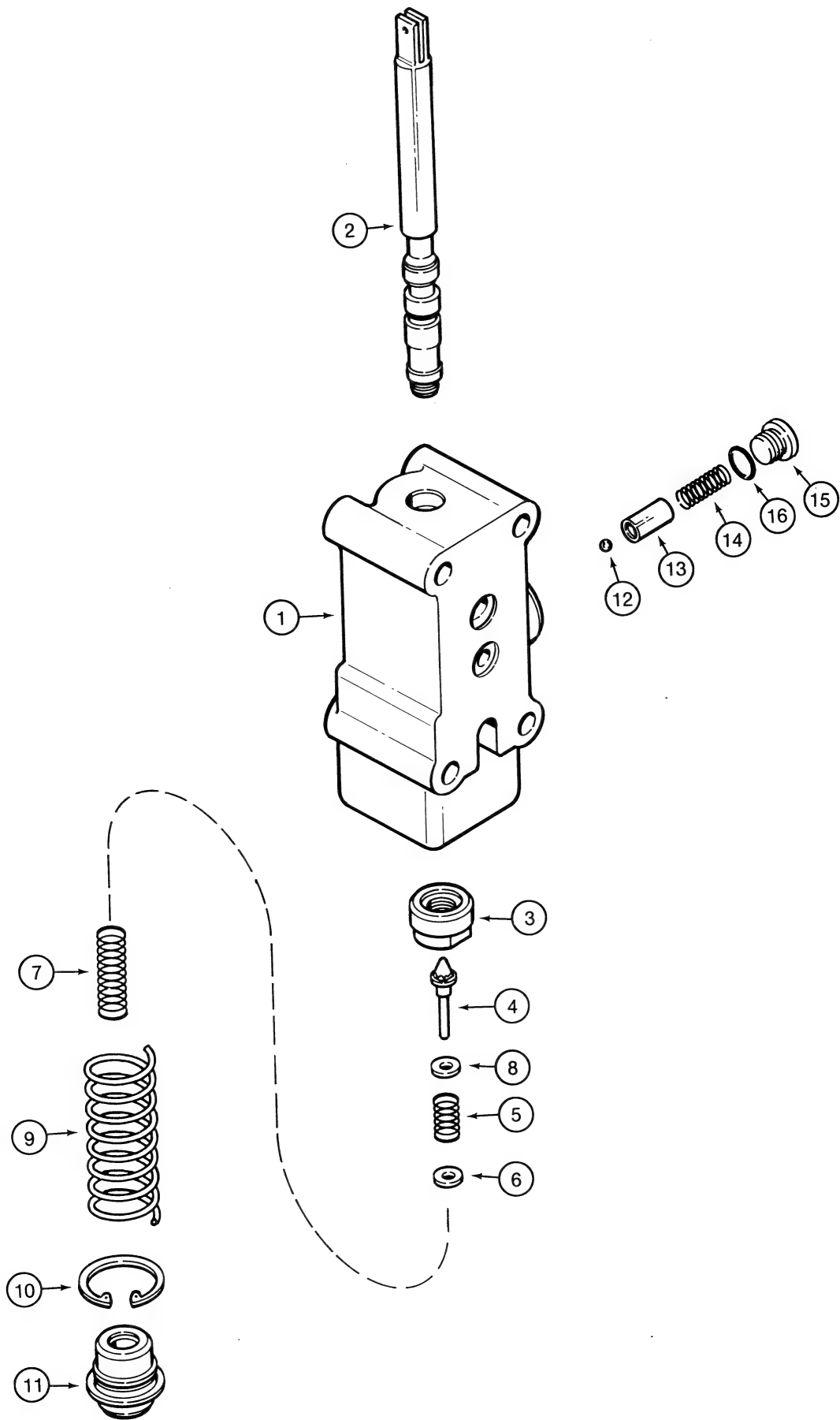


TRANSAXLE ASSEMBLY

PTO CONTROL VALVE LINKAGE

REF.	PART NO.	DESCRIPTION	REQD.
1	1971419C3	VALVE - PTO control, see parts list page 6-85.....	1
2	828-10090	BOLT - hex, 10 - 1.5 x 90 mm, class 10.9.....	4
3	895-10010	WASHER - flat, 11 x 21 x 2 mm.....	4
4	238-5112	O-RING - 1/2 ID x 3/32 inch wide, valve to PTO housing sealing.....	1
5	238-5113	O-RING - 9/16 ID x 3/32 inch wide, valve to PTO housing sealing.....	1
6	A186743	LEVER - PTO valve linkage internal.....	1
7	H343822	PIN - clevis valve spool.....	1
8	132-2	PIN - cotter, 1/16 x 5/16 inch.....	1
9	1345685C1	SHAFT - PTO valve linkage.....	1
10	A27521	RING - snap, no longer used, order 100-1168 ring.....	4
10	100-1168	RING - external retaining, No. 68, lever retaining (replaces A27521 ring).....	4
11	A186635	SEAL - PTO linkage shaft.....	1
12	1345849C1	LEVER - PTO valve linkage external.....	1
13	359955R91	BEARING - needle.....	2

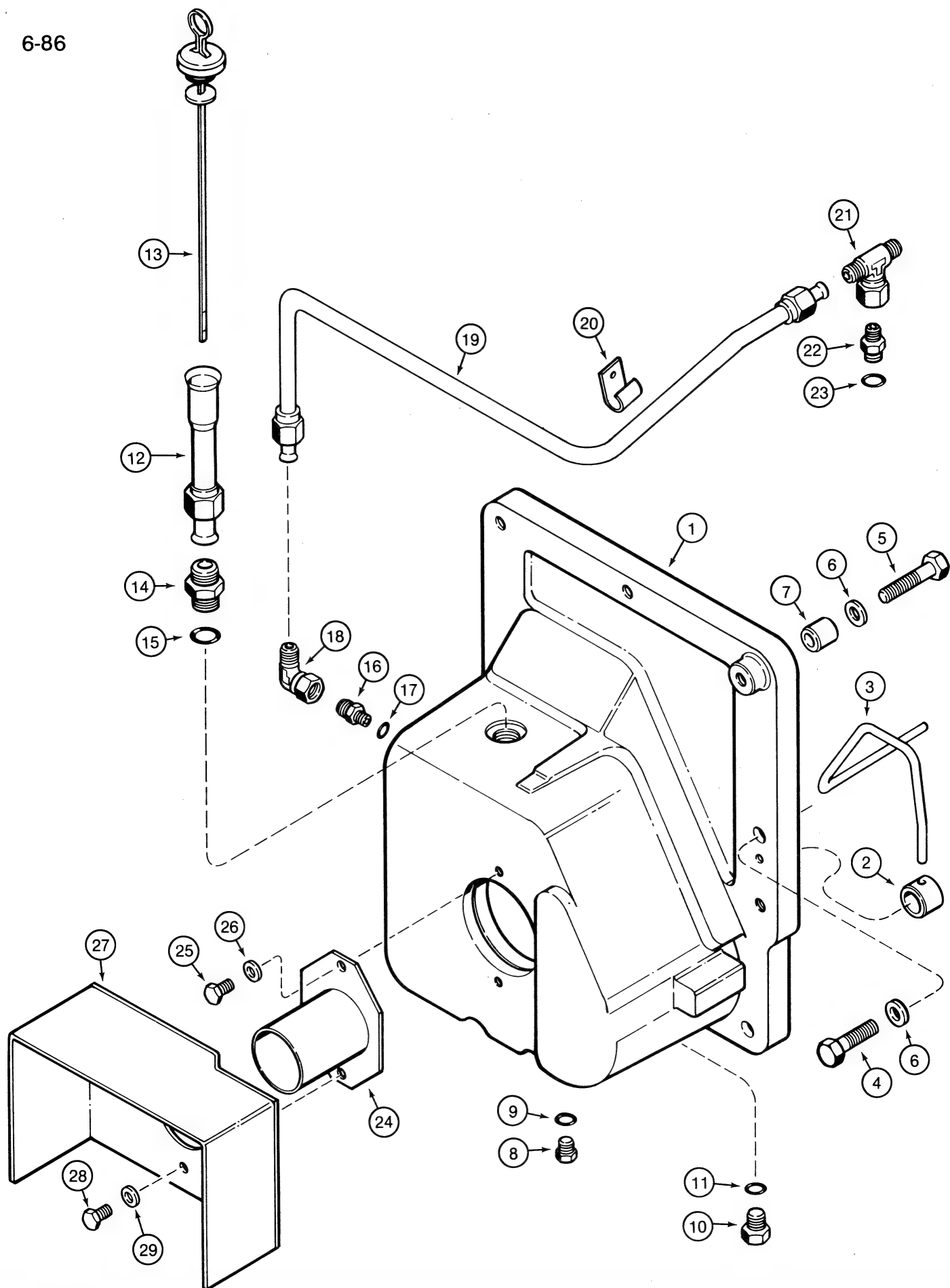
NOTE: For correct complete transaxle assembly part number see page 6-19.



TRANSAXLE ASSEMBLY**PTO CONTROL VALVE**

REF.	PART NO.	DESCRIPTION	REQD.
	1971419C3	VALVE ASSEMBLY - PTO control	1
1	G110344	BODY - PTO control valve.....	1
2	1957880C3	SPOOL ASSEMBLY - PTO control valve.....	1
3	1957864C2	STOP - spool	1
4	G108809	POPPET - valve	1
5	G110335	SPRING - modulator.....	1
6	G108810	WASHER - poppet.....	1
7	G108816	SPRING - primary, modulator	1
8	G108811	WASHER - poppet.....	1
9	G110342	SPRING - return.....	1
10	A32181	RING - snap, cap	1
11	G108808	CAP - end.....	1
12	211-206	BALL - 1/4 inch, grade 25, chrome alloy steel.....	1
13	1341948C3	GUIDE - detent.....	1
14	1341952C1	SPRING - detent.....	1
15	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss	1
16	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1

NOTE: For correct complete transaxle assembly part number see page 6-19.

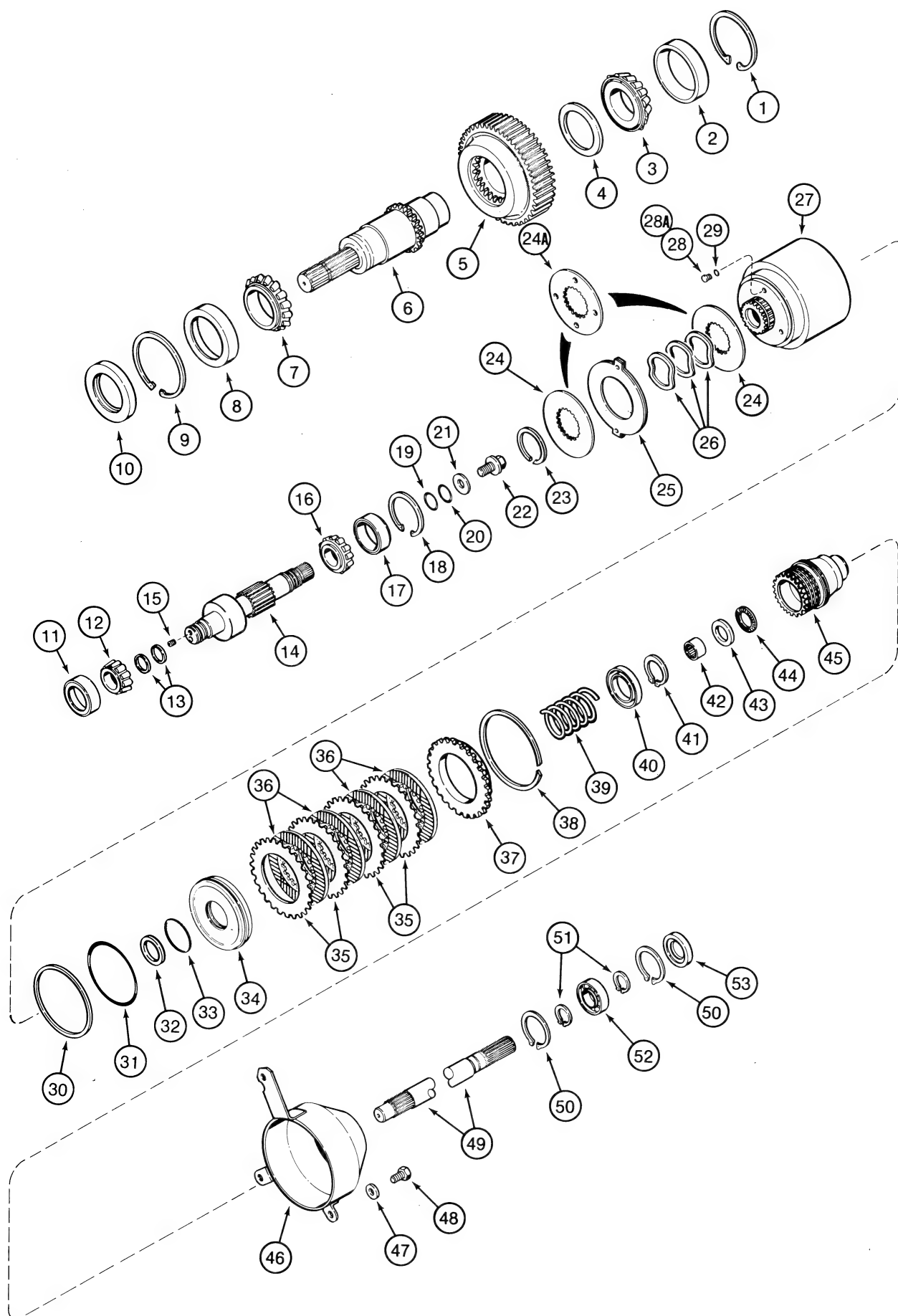


TRANSAXLE ASSEMBLY

PTO HOUSING

REF.	PART NO.	DESCRIPTION	REQD.
	1345847C1	HOUSING ASSEMBLY - PTO pressed	1
1	NSS	HOUSING - PTO.....	1
2	1345679C1	SLEEVE - seal, input shaft	1
3	NSS	TUBE - PTO clutch pressure.....	1
4	828-16060	BOLT - hex, 16 - 2 x 60 mm, class 10.9.....	7
5	828-16080	BOLT - hex, 16 - 2 x 70 mm, class 10.9.....	2
6	896-12016	WASHER - flat, 17.5 x 30 x 4 mm, hardened	9
7	A175769	DOWEL - PTO housing to transaxle housing	2
8	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss	1
9	237-6006	O-RING - 15/32 ID x 5/64 inch wide.....	1
10	218-5156	PLUG - hex, 3/4-16 inch O-ring boss.....	1
11	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
12	A183270	TUBE ASSEMBLY - dipstick	1
13	A183273	DIPSTICK - PTO breather.....	1
14	218-5064	ADAPTER - straight, 1-1/16-12 inch flare x O-ring boss.....	1
15	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
16	218-5351	ADAPTER - straight, 3/4-16 flare x 9/16-18 inch O-ring boss	1
17	237-6006	O-RING - 41/64 ID x 5/64 inch wide.....	1
18	218-5230	ELBOW - 90 degree, 3/4-16 inch flare x swivel flare	1
19	A188874	TUBE - PTO oil supply.....	1
20	T31034	CLAMP - tube.....	1
21	218-840	TEE - 3/4-16 inch swivel straight thread branch x flare x flare	1
22	218-5060	ADAPTER - straight, 3/4-16 flare x 7/8-14 inch O-ring boss	1
23	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
24	A190208	COVER - protective, not used when PTO shield is used.....	1
25	626-10020	BOLT - hex, 10 - 1.5 x 20 mm, class 10.9, if used.....	2
26	895-10010	WASHER - flat, 11 x 21 x 2 mm, if used.....	2
27	D149986	SHIELD - PTO, if used	1
28	814-10020	BOLT - hex, 10 - 1.5 x 20 mm, if used	2
29	895-11010	WASHER - flat, 11 x 21 x 2 mm, if used.....	2

NOTE: For correct complete transaxle assembly part number see page 6-19.

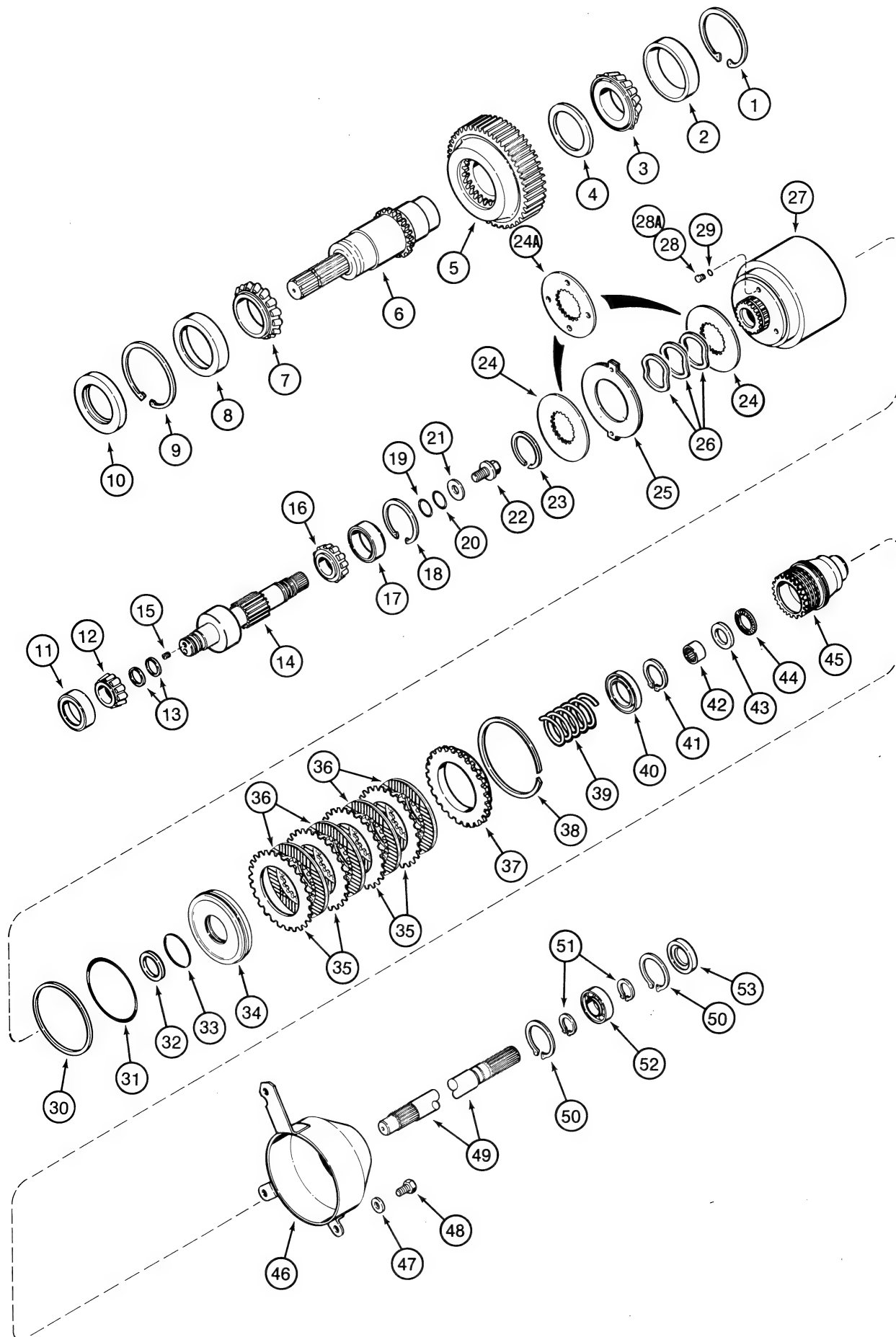


TRANSAXLE ASSEMBLY**PTO CLUTCH AND BRAKE**

REF.	PART NO.	DESCRIPTION	REQD.
1	A152252	RING - snap, output shimming, if used	1
1	1345620C1	RING - snap, output shimming, 2.7 mm, if used.....	1
1	1345621C1	RING - snap, output shimming, 2.6 mm, if used.....	1
1	1345622C1	RING - snap, output shimming, 2.5 mm, if used.....	1
1	1345623C1	RING - snap, output shimming, 2.4 mm, if used.....	1
2	659459R1	CUP - tapered roller bearing, output shaft front.....	1
3	158359C91	BEARING - tapered roller, output shaft front, replaces A150146	1
4	1341177C1	WASHER - thrust, PTO output gear.....	1
5	1341172C3	GEAR - driven, 540 RPM	1
6	1995036C1	SHAFT - output, PTO	1
7	102161H	BEARING - tapered roller, output shaft rear.....	1
8	29214H	CUP - tapered roller bearing, output shaft rear	1
9	R32220	RING - snap, output shaft rear	1
10	A175136	SEAL - oil, output shaft.....	1
11	671033R1	CUP - tapered roller bearing, rear input shaft, replaces A153748	1
12	671032R1	BEARING - tapered roller, rear input shaft, replaces A153749	1
13	A188295	RING - sealing, input shaft	2
14	1341276C2	SHAFT ASSEMBLY - input, service for shaft with or without rear splines.....	1
15	83-3314	SCREW - set, 7/16 NC x 3/8 inch.....	1
16	50212VA	BEARING - tapered roller, front input shaft.....	1
17	50213V	CUP - tapered roller bearing, front input shaft.....	1
18	100-21275	RING - internal retaining, No. 275, front bearing shimming, if used, replaces 31538 ring	1
18	1345614C1	RING - snap, front bearing shimming, 2.3 mm, if used	1
18	1345615C1	RING - snap, front bearing shimming, 2.2 mm, if used	1
18	1345616C1	RING - snap, front bearing shimming, 2.1 mm, if used	1
18	1345617C1	RING - snap, front bearing shimming, 2 mm, if used	1
19	238-5215	O-RING - 1-1/16 ID x 1/8 inch wide, distributor seal front.....	1
20	238-5214	O-RING - 1 ID x 1/8 inch wide, distributor seal front	1
21	A175129	WASHER - retainer, clutch hub.....	1
22	853-12025	BOLT - hex, 12 - 1.75 x 25 mm, class 10.9, clutch assembly retainer ..	1
23	N6263	RING - retaining, plate	1
24	A183439	PLATE - brake steel, without friction material, no longer available, order 112627A1 kit shown below.....	2
24A	*1995264C1	PLATE - brake friction, with friction material, no longer available, order 112627A1 kit shown below.....	2
25	*1345606C1	PLATE - brake reaction, no longer available, order 112627A1 kit shown below	1
26	*1345690C1	SPRING - wave washer (three included in kit)	2-3
27	A188685	HOUSING - clutch.....	1
28	A183438	PIN - piston, used with item 24, A183439, plate.....	3
28A	*1995268C1	PIN - piston, used with item 24A, 1345606C1, plate.....	3
29	*238-5008	O-RING - 3/16 ID x 1/16 inch wide, piston pin	3
	*112627A1	KIT - PTO brake, includes above items with an asterisk	1

NOTE: For correct complete transaxle assembly part number
see page 6-19.

Continued on next page



TRANSAXLE ASSEMBLY**PTO CLUTCH AND BRAKE**

REF.	PART NO.	DESCRIPTION	REQ'D.
30	A158051	SEAL - piston, external	1
31	238-5156	O-RING - piston, external, replaces A158050	1
32	A159297	SEAL - piston, internal	1
33	238-5137	O-RING - piston, internal, replaces A159296	1
34	A159292	PISTON - clutch	1
35	A175806	PLATE - clutch, separator	4
36	A188946	PLATE - clutch, friction	4
37	A178020	PLATE - clutch, backing	1
38	A158227	RING - retaining, backing plate	1
39	A183508	SPRING - PTO piston return	1
40	A183436	RETAINER - spring	1
41	103-16175	RING - retaining, No. 175, heavy duty, planet gear, replaces D25280	1
42	A175839	BEARING - input shaft	1
43	A146625	WASHER - thrust	1
44	T36441	BEARING - rear input shaft	1
45	A188600	YOKE - inner hub	1
46	A190146	BAFFLE - PTO clutch	1
47	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	3
48	627-8020	BOLT - hex, 8 - 1.25 x 20 mm, class 10.9, PTO baffles to housing	3
49	A188245	SHAFT - PTO rear input	1
50	S62213	RING - snap, PTO input shaft, replaces 452166R1	2
51	301020R1	RING - snap, idler gear and bearing retainer, replaces A8218	2
52	451590R91	BEARING - ball, replaces A158333	1
53	A186767	SEAL - PTO input shaft oil	1

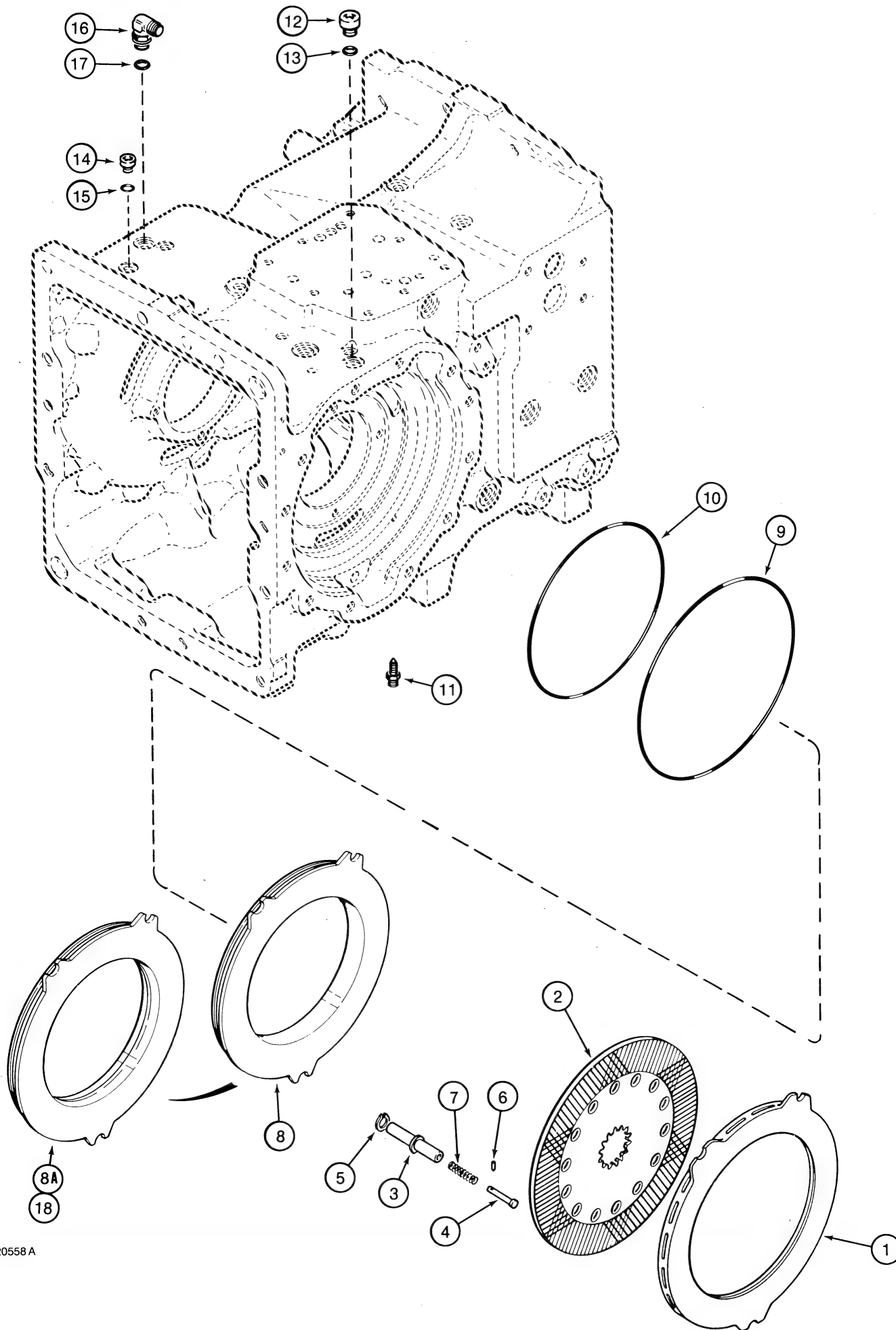
NOTE: For correct complete transaxle assembly part numbers
see page 6-19.

ALPHABETICAL INDEX

BRAKES

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Transaxle	
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TRANSAXLE ASSEMBLY**DIFFERENTIAL BRAKE**

REF.	PART NO.	DESCRIPTION	REQD.
1	1995365C1	PLATE - backing, brake (replaces A188736 plate).....	2
2	A188412	PLATE - friction, brake.....	2
	1345810C1	TUBE ASSEMBLY - brake adjuster.....	6
3	A186555	TUBE - brake adjuster.....	1
4	NSS	PLUNGER - brake adjuster.....	1
5	100-1462	RING - external retaining, No. 62.....	2
6	NSS	PIN - brake adjuster.....	1
7	A190295	SPRING - piston return.....	1
8	1341069C1	PISTON - brake, without internal groove, no longer used, order 1995361C1 piston, item 8A.....	2
8A	1995361C1	PISTON - brake, with internal groove, see item 18 for service replacement on transaxles with damage to brake piston bores.....	2
9	238-5277	O-RING - brake piston, large (replaces A178873 O-ring).....	2
10	238-5273	O-RING - brake piston, small (replaces A178874 O-ring).....	2
11	A188637	VALVE - brake bleeder.....	2-4
12	218-5210	PLUG - hex socket, 3/4-16 inch O-ring boss.....	1
13	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
14	218-5208	PLUG - hex socket, 1/2-20 inch O-ring boss.....	2
15	237-6005	O-RING - 13/32 ID x 5/64 inch wide.....	1
16	218-5106	ELBOW - 90 degree, adj, 3/4-16 inch flare x O-ring boss.....	1
17	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
18	121039A1S	PISTON - brake, oversize with internal grove, use as service replacement for item 8, 1341069C1, or item 8A, 1995361C1, pistons on transaxles that have incurred damage to brake piston bores.....	2

NOTE: For correct complete transaxle assembly part number
see page 6-19.

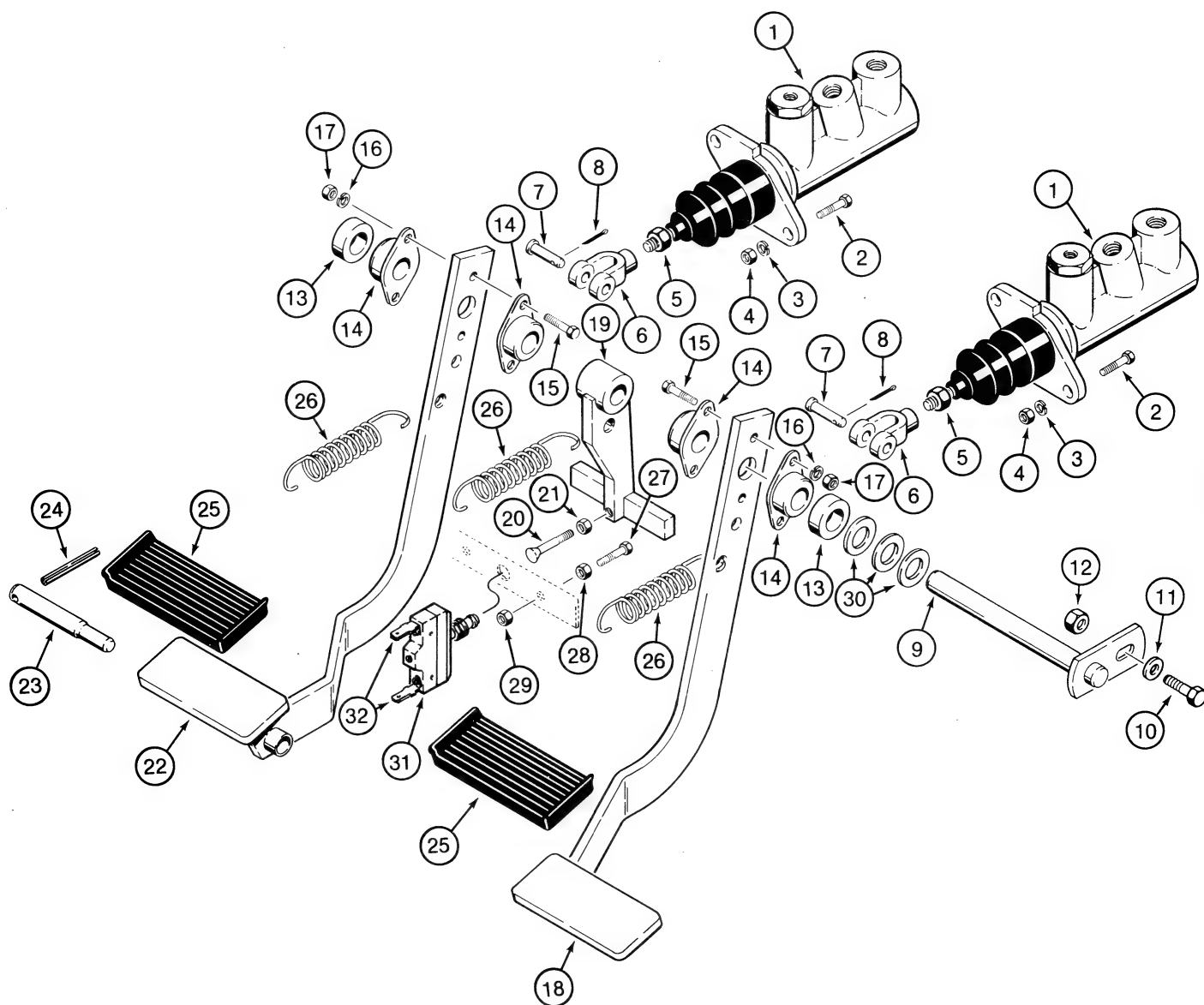
TRANSAXLE ASSEMBLY

PARKING BRAKE

REF.	PART NO.	DESCRIPTION	REQD.
1	A158090	BRAKE - emergency parking	1
2	1341170C1	PLATE - friction	2
3	A178856	PLATE - backing	2
4	A183228	PIN - brake locating	3
5	A188025	HOUSING - brake	1
6	826-12050	BOLT - hex, 12 - 1.75 x 50 mm, class 10.9	5
7	828-12060	BOLT - hex, 12 - 1.75 x 60 mm, class 10.9	1
8	895-11012	WASHER - flat, 13.5 x 24 x 2.5 mm	6
9	427-6106	PIN - clevis	2
10	32-612	PIN - cotter, 3/32 x 3/4 inch	2
11	A190099	ADAPTER - brake actuator	1
12	238-7115	O-RING - 11/16 ID x 3/32 inch wide	1
13	A190100	SHAFT - brake actuator	1
14	A186973	LINK - parking brake	2
15	A188330	SLEEVE - dowel	2
16	1995134C1	SPACER - pinion shaft, 4 wheel drive, not shown (replaces A175481 spacer)	1
17	*1345869C1	SPACER - pinion shaft, 2 wheel drive	1
18	*A188960	COVER - parking brake	1
19	*826-12090	BOLT - hex, 12 - 1.75 x 90 mm, class 10.9	3
20	*626-12040	BOLT - hex, 12 - 1.75 x 40 mm, class 10.9	1
21	*828-12100	BOLT - hex, 12 - 1.75 x 100 mm, class 10.9	1
22	*895-11012	WASHER - flat, 13.5 x 24 x 2.5 mm	5
23	A158371	SEAL - oil, input shaft	1
24	A186646	HUB - parking brake	1

***NOTE:** Items with an asterisk are used on 2 wheel drive models only.

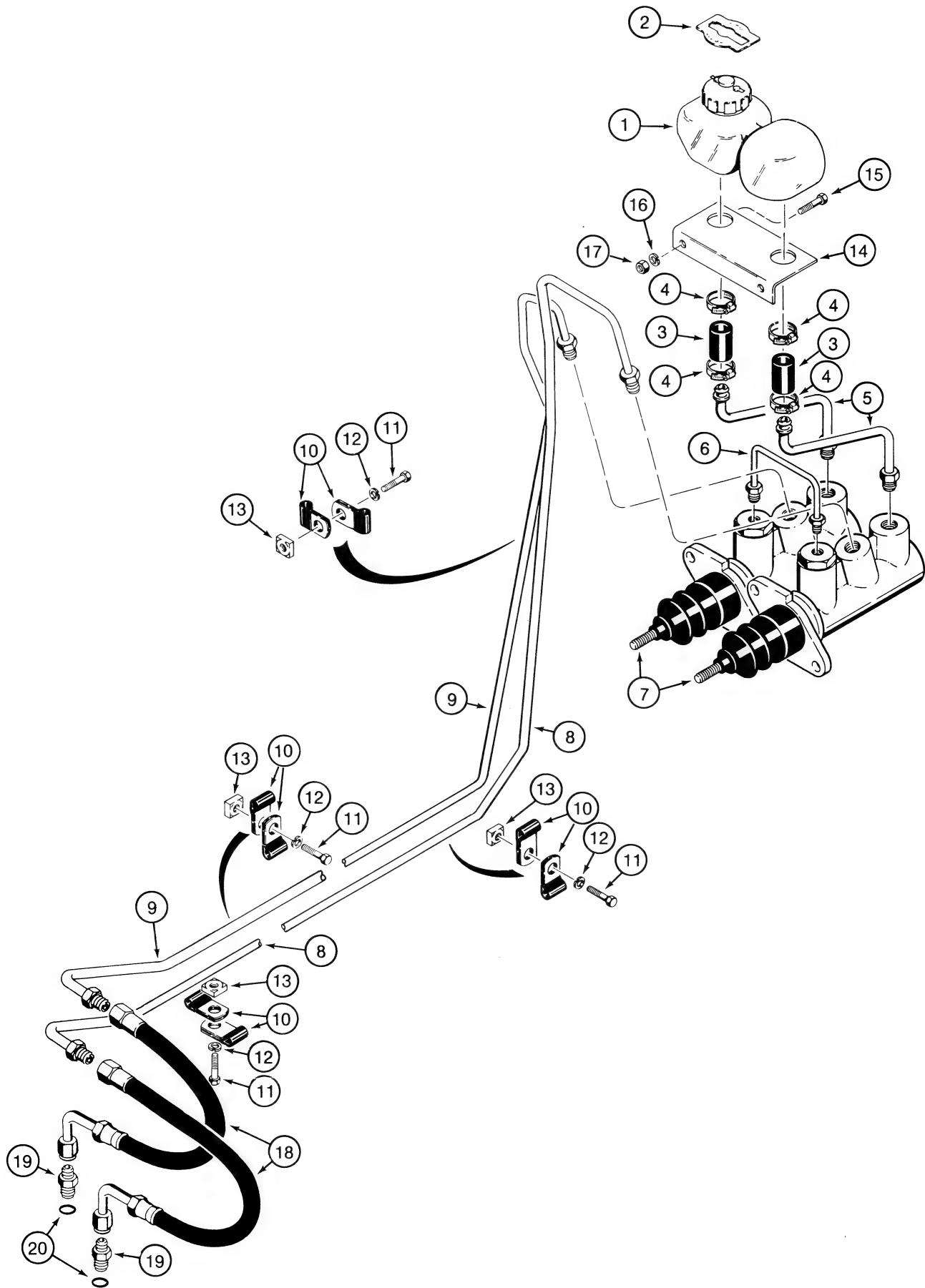
NOTE: For correct complete transaxle assembly part number
see page 6-19.



580 Super K Construction King Loader Backhoe
BRAKE PEDALS AND BRAKE MASTER CYLINDER MOUNTING

7-7

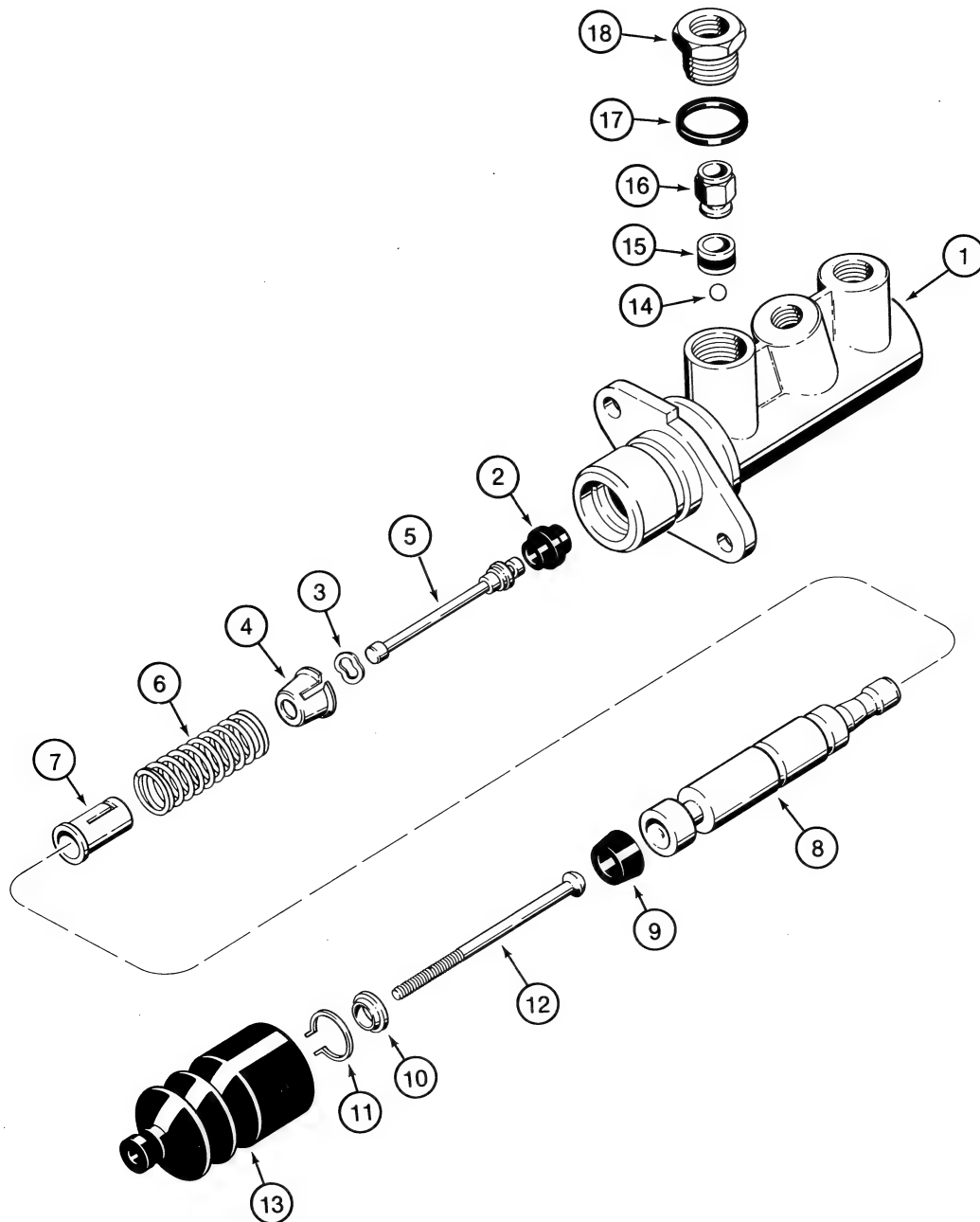
REF.	PART NO.	DESCRIPTION	REQD.
1	D143162	CYLINDER ASSEMBLY - brake master, parts list page 7-11	2
2	413-516	BOLT - hex, 5/16 NC x 1 inch	4
3	492-11031	WASHER - lock, 5/16 inch	4
4	425-105	NUT - hex, 5/16 inch NC	4
5	425-156	NUT - hex, jam, 3/8 inch NF	2
6	D137077	CLEVIS - female, master cylinder	2
7	L26209	PIN - clevis, 3/8 inch	2
8	432-612	PIN - cotter, 3/32 x 3/4 inch	2
9	D140035	SHAFT - brake pedal	1
10	413-616	BOLT - hex, 3/8 NC x 1 inch	1
11	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	1
12	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8	1
13	D124529	SPACER - pedal	2
14	A77310	BEARING - pivot, brake pedal	4
15	413-524	BOLT - hex, 5/16 NC x 1-1/2 inch	4
16	492-11031	WASHER - lock, 5/16 inch	4
17	425-105	NUT - hex, 5/16 inch NC	4
18	D124521	PEDAL - brake, right-hand	1
19	D124528	LEVER - brake lamp	1
20	121-140	BOLT - flat countersunk head, 5/16 NC x 2 inch, grade 2, special, brake switch actuator	1
21	425-105	NUT - hex, 5/16 inch NC	1
22	D124522	PEDAL - brake, left-hand	1
23	D124530	PIN - pedal lock	1
24	438-12040	PIN - roll, 5/16 x 2-1/2 inch	1
25	F9197	COVER - pedal, rubber	2
26	D120911	SPRING - pedal and lever return, attaches to brake pedal spring rod in firewall frame	3
27	413-524	BOLT - hex, 5/16 NC x 1-1/2 inch, attaches to brake pedal stop bar in firewall frame	2
28	425-145	NUT - hex jam, 5/16 inch NC	2
29	425-105	NUT - hex, 5/16 inch NC	2
30	495-81261	WASHER - flat, 13/16 x 1-1/2 x 1/16 inch, use as a shim	UAR
31	D148108	SWITCH - brake lamp, attaches to front console wiring harness, mounts in brake pedal stop bar in firewall frame	1
32	A187990	TERMINAL - male	2



580 Super K Construction King Loader Backhoe
BRAKE MASTER CYLINDER HYDRAULIC CIRCUIT

7-9

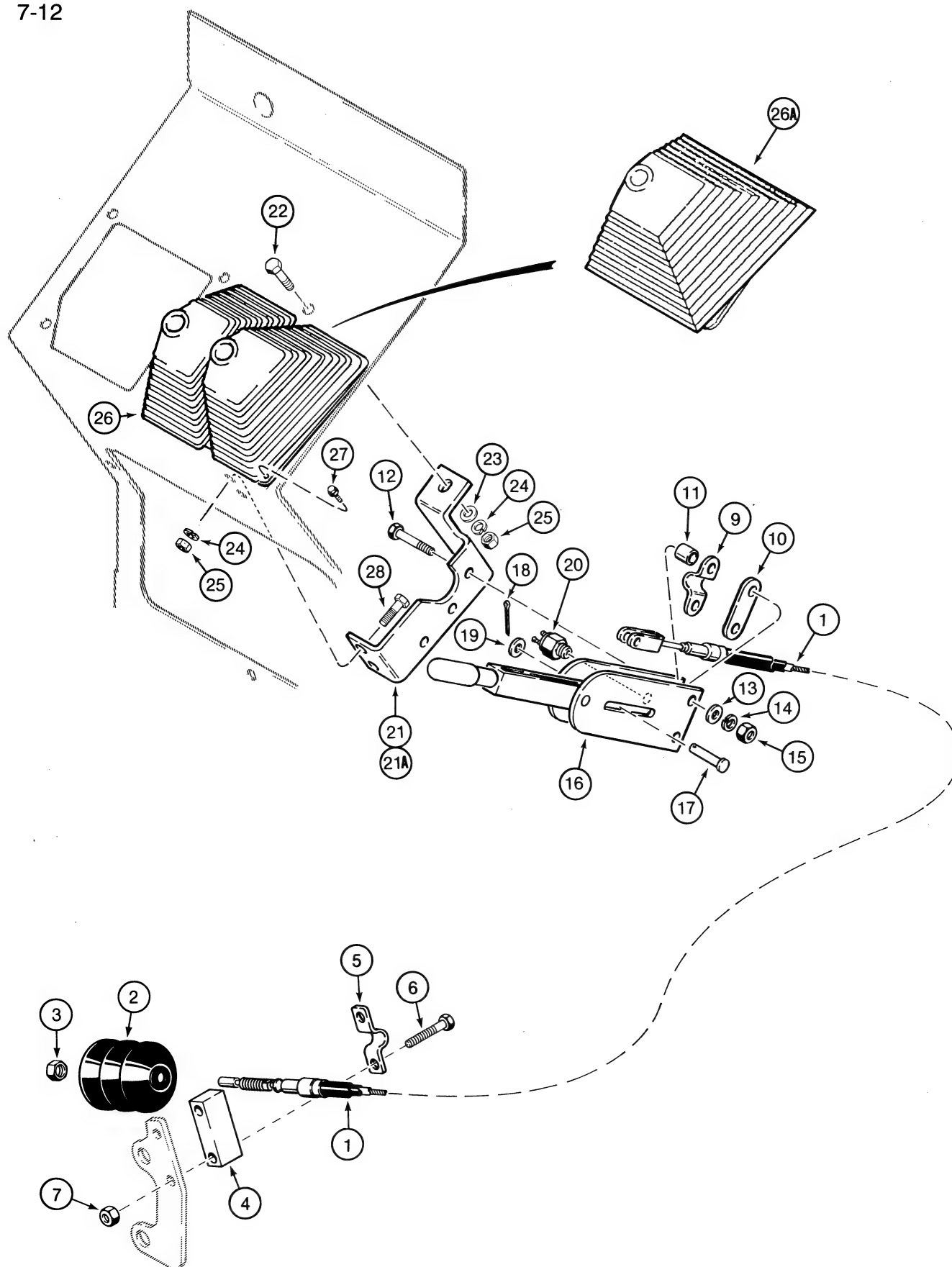
REF.	PART NO.	DESCRIPTION	REQD.
	E46719	RESERVOIR ASSEMBLY - brake master cylinder, no longer available, order items 1 and 2.....	1
1	E44082	RESERVOIR - brake master cylinder, includes cap	1
2	E44062	TAG - reservoir fluid identification.....	1
3	E44083	HOSE - 13 mm ID x 30 mm long, reservoir to tube, cut to required length from D128279 bulk hose	2
4	D140877	CLAMP - worm screw, includes hardware, reservoir hose	4
5	D136854	TUBE - reservoir to master cylinder	2
6	D136430	TUBE - crossover	1
7	D143162	CYLINDER ASSEMBLY - master, parts list page 7-11.....	2
8	D146723	TUBE - brake, right-hand.....	1
9	D146725	TUBE - brake, left-hand	1
10	49859	CLAMP - P-type	8
11	413-512	BOLT - hex, 5/16 NC x 3/4 inch	4
12	492-11031	WASHER - lock, 5/16 inch.....	4
13	224-2245	NUT - square, 5/16 inch NC.....	4
14	D135229	BRACKET - brake reservoir support, attaches to firewall	1
15	413-512	BOLT - hex, 5/16 NC x 3/4 inch	2
16	492-11031	WASHER - lock, 5/16 inch.....	2
17	425-105	NUT - hex, 5/16 inch NC	2
18	D147572	HOSE - 385 mm long, brake tube to transaxle brake actuator.....	2
19	218-5088	ADAPTER - straight, 7/16-20 flare x 1/2-20 inch O-ring boss	2
20	237-6005	O-RING - 13/32 ID x 5/64 inch wide.....	1
	D128279	HOSE - bulk, 1/2 (13) ID x 4 inch (100 mm) long	1



580 Super K Construction King Loader Backhoe
BRAKE MASTER CYLINDER

7-11

REF.	PART NO.	DESCRIPTION	REQD.
	D143162	CYLINDER ASSEMBLY - master.....	2
1	NSS	BODY - master cylinder.....	1
2	*NSS	SEAL - plunger.....	1
3	*NSS	WASHER - special.....	1
4	NSS	SEAT - spring, short.....	1
5	NSS	PLUNGER - piston.....	1
6	NSS	SPRING - return.....	1
7	NSS	SEAT - spring, long.....	1
8	NSS	PISTON - master cylinder.....	1
9	*NSS	SEAL - piston.....	1
10	NSS	WASHER - seal, special.....	1
11	*NSS	RING - retaining, washer.....	1
12	NSS	ROD - push.....	1
13	*NSS	BOOT - push rod.....	1
14	*NSS	BALL - flow valve.....	1
15	*NSS	SEAL - flow valve.....	1
16	NSS	VALVE - flow.....	1
17	*NSS	GASKET - flow valve.....	1
18	NSS	ADAPTER - flow valve.....	1
	*N14784	KIT - cylinder, service, seal, includes all items marked with an asterisk	1



580 Super K Construction King Loader Backhoe

PARKING BRAKE LEVER AND LINKAGE

7-13

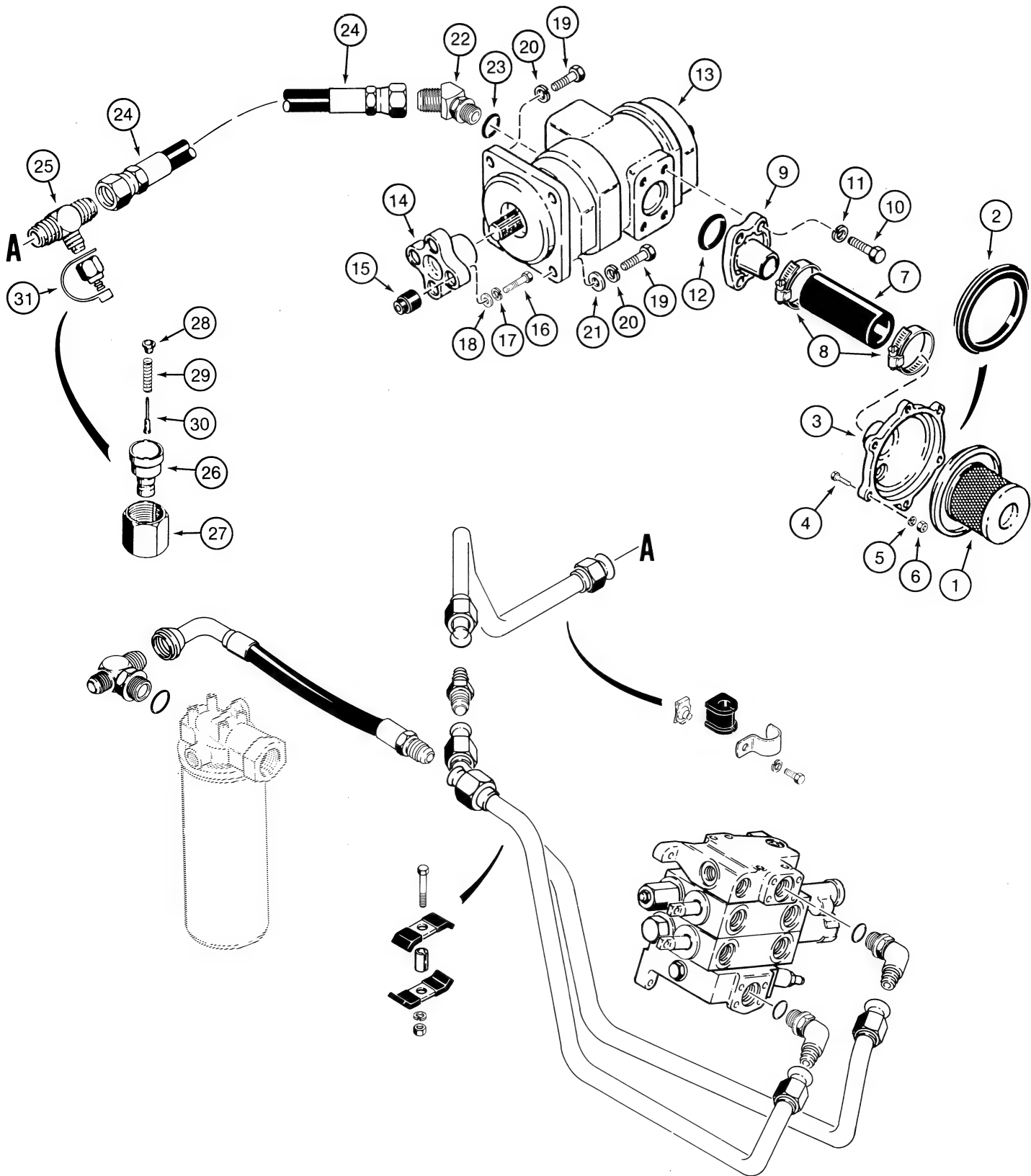
REF.	PART NO.	DESCRIPTION	REQD.
1	D145877	CABLE - parking brake	1
2	D141049	BOOT - parking brake cable	1
3	829-1112	NUT - hex, jam, 12 mm - 1.75.....	1
4	A188027	BLOCK - spacer, brake cable mounting	1
5	A188028	CLAMP - cable, rear	1
6	828-10045	BOLT - hex, 10 - 1.5 x 45 mm, class 10.9.....	2
7	829-1410	NUT - hex, 10 mm - 1.5, class 10.....	2
9	D121608	CLAMP - parking brake cable	1
10	D129747	PLATE - oval spacer, plated.....	1
11	D150633	SPACER - parking brake lever, front	2
12	413-532	BOLT - hex, 5/16 NC x 2 inch	2
13	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	2
14	492-11031	WASHER - lock, 5/16 inch	2
15	425-105	NUT - hex, 5/16 inch NC	2
	D121555	LEVER ASSEMBLY - parking brake, without bossed hole for audible warning alarm parking brake switch, for service order D139909 lever	1
	D139909	LEVER ASSEMBLY - parking brake, with bossed hole for brake switch, replaces D121555 lever for service.....	1
16	NSS	LEVER - parking brake.....	1
17	D42458	PIN - clevis, lever to brake cable	1
18	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
19	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch.....	1
20	*D136514	SWITCH - parking brake, used on models with audible warning alarm.....	1
21	D146905	BRACKET - mounting, parking brake lever, with a 7/16 inch mounting hole for front drive axle control lever mounting, items 5 and 12 on page 6-37, if used.....	1
21A	102446A1	BRACKET - mounting, parking brake lever, with a 1/2 inch mounting hole for front drive axle control lever mounting, items 24 and 25 on page 6-37, if used.....	1
22	413-616	BOLT - hex, 3/8 NC x 1 inch	1
23	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	1
24	492-11038	WASHER - lock, 3/8 inch.....	3
25	425-106	NUT - hex, 3/8 inch NC	3
26	D137465	BOOT - dual lever, parking brake and shift control levers, use on models with four wheel drive front axle, see page 6-37, item 5, for shift control lever	1
26A	D137466	BOOT - single lever, use on models with two wheel drive front axle	1
27	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch	4
28	413-614	BOLT - hex, 3/8 NC x 7/8 inch	2

***NOTE:** See page 4-53 for other special parts used on models with audible warning alarm for water temperature, engine oil pressure, and parking brake.

ALPHABETICAL INDEX

HYDRAULICS

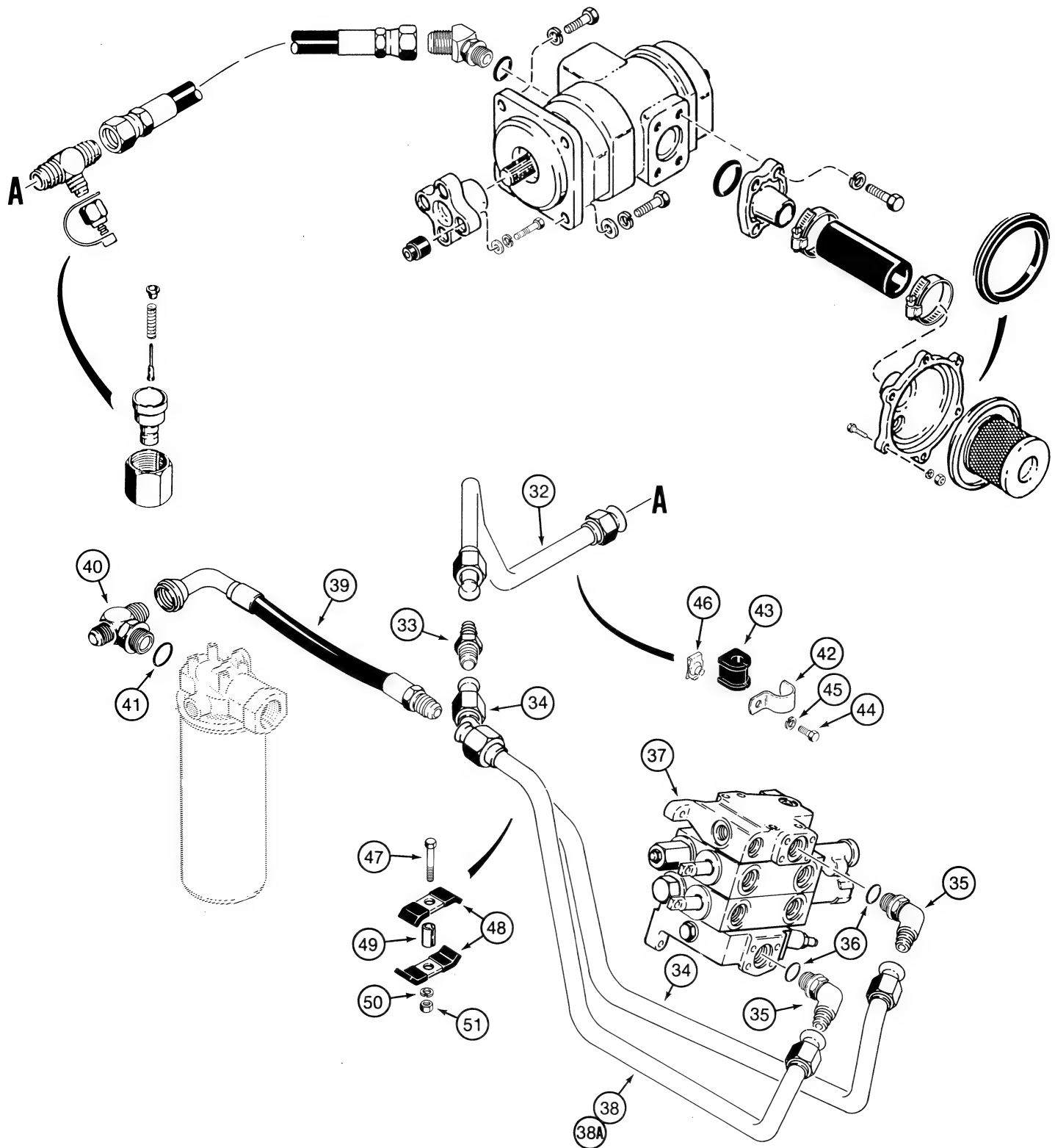
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Dipper Extension - Backhoe	8-141
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EQUIPMENT HYDRAULIC SYSTEM **RESERVOIR TO LOADER CONTROL VALVE AND** **LOADER VALVE TO FILTER AND BACKHOE LINE**

REF.	PART NO.	DESCRIPTION	REQD.
1	D145017	SCREEN - suction.....	1
2	D145356	SEAL - suction screen.....	1
3	D129581	FLANGE - reservoir, suction.....	1
4	413-416	BOLT - hex, 1/4 NC x 1 inch.....	6
5	492-11025	WASHER - lock, 1/4 inch.....	6
6	425-104	NUT - hex, 1/4 inch NC.....	6
7	D129580	HOSE - 38 ID x 54 OD x 130 mm long, equipment pump inlet, cut to required length from D129185 bulk hose.....	1
8	214-1428	CLAMP - adj, 1-5/16 - 2-1/4 inch diameter.....	2
9	D137343	FLANGE - pump inlet.....	1
10	413-824	BOLT - hex, 1/2 NC x 1-1/2 inch.....	4
11	492-11050	WASHER - lock, 1/2 inch.....	4
12	238-5225	O-RING - 1-7/8 x 2-1/8 inch, pump inlet flange (replaces A14515).....	1
13	D149283	PUMP ASSEMBLY - hydraulic, equipment, parts list page 8-63.....	1
	D136083	COUPLING - flex, hydraulic pump.....	1
14	NSS	COUPLING - pump.....	1
15	N14330	BUSHING - coupling.....	4
16	413-728	BOLT - hex, 7/16 NC x 1-3/4 inch.....	4
17	492-11044	WASHER - lock, 7/16 inch.....	4
18	A30013	WASHER - flat, hardened.....	4
19	413-824	BOLT - hex, 1/2 NC x 1-1/2 inch.....	4
20	492-11050	WASHER - lock, 1/2 inch.....	4
21	D64050	WASHER - flat, 1/2 inch, hardened, special, lower mounting bolts only.....	2
22	218-5140	ELBOW - 45 degree, 1-5/16-12 inch flare x adj O-ring boss, large pump section outlet port.....	1
23	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.....	1
24	D149036	HOSE - 940 mm long, large pump section outlet port.....	1
25	218-587	TEE - 1-1/16-12 flare branch x 1-5/16-12 inch flare x flare, pump outlet hose to loader valve inlet tube.....	1
	D137625	COUPLING ASSEMBLY - quick disconnect.....	1
26	NSS	BODY - coupling.....	1
27	425-1120	NUT - hex, 1-1/4 inch NF.....	1
28	NSS	SEAT - spring.....	1
29	NSS	SPRING - coupling.....	1
30	NSS	POPPET - coupling.....	1
31	H434163	CAP - dust, coupling.....	1
	D129185	HOSE - bulk, 1-1/2 (38) ID x 34 inch (864 mm) long.....	1

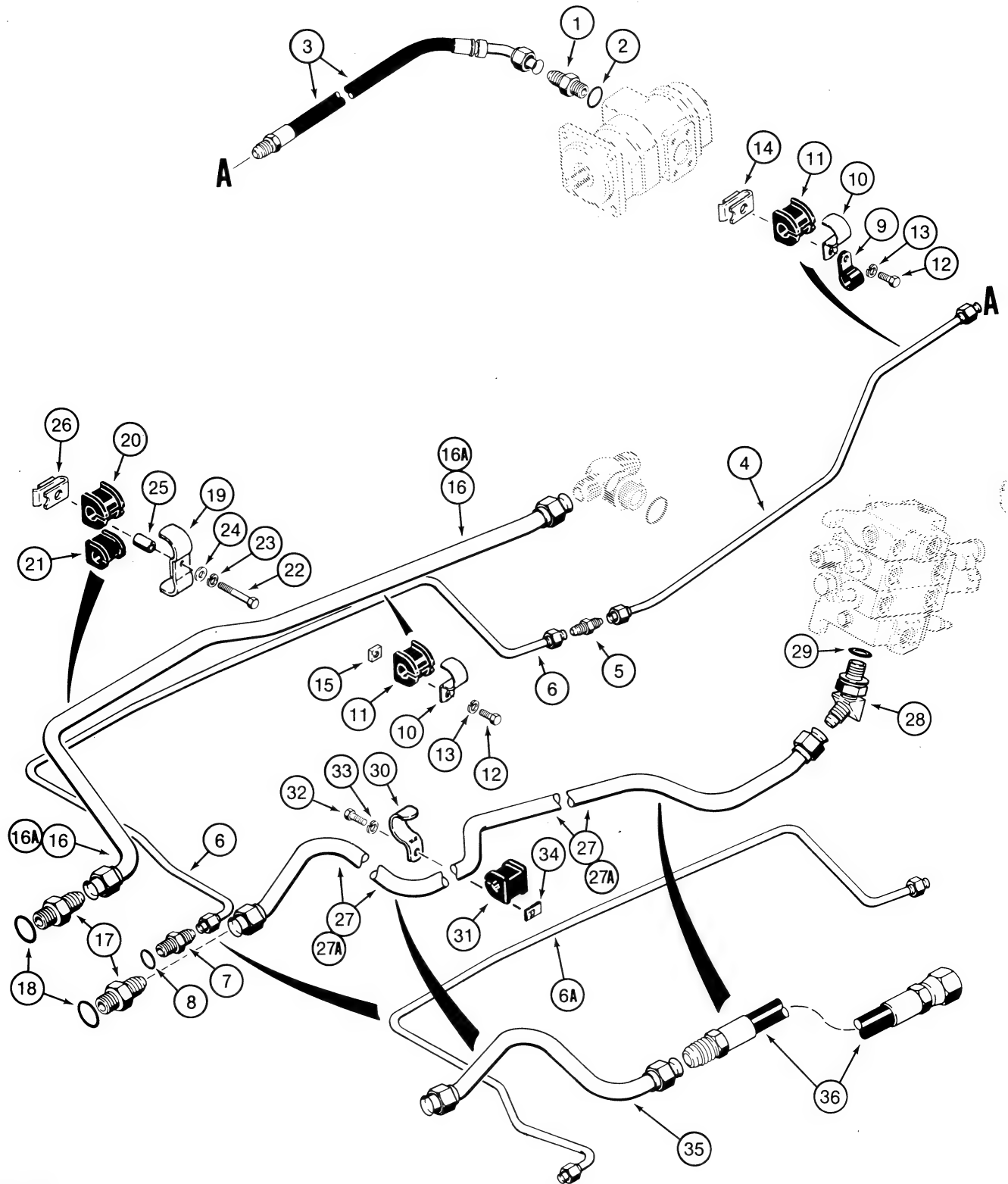
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EQUIPMENT HYDRAULIC SYSTEM

RESERVOIR TO LOADER CONTROL VALVE AND
LOADER VALVE TO FILTER AND BACKHOE LINE

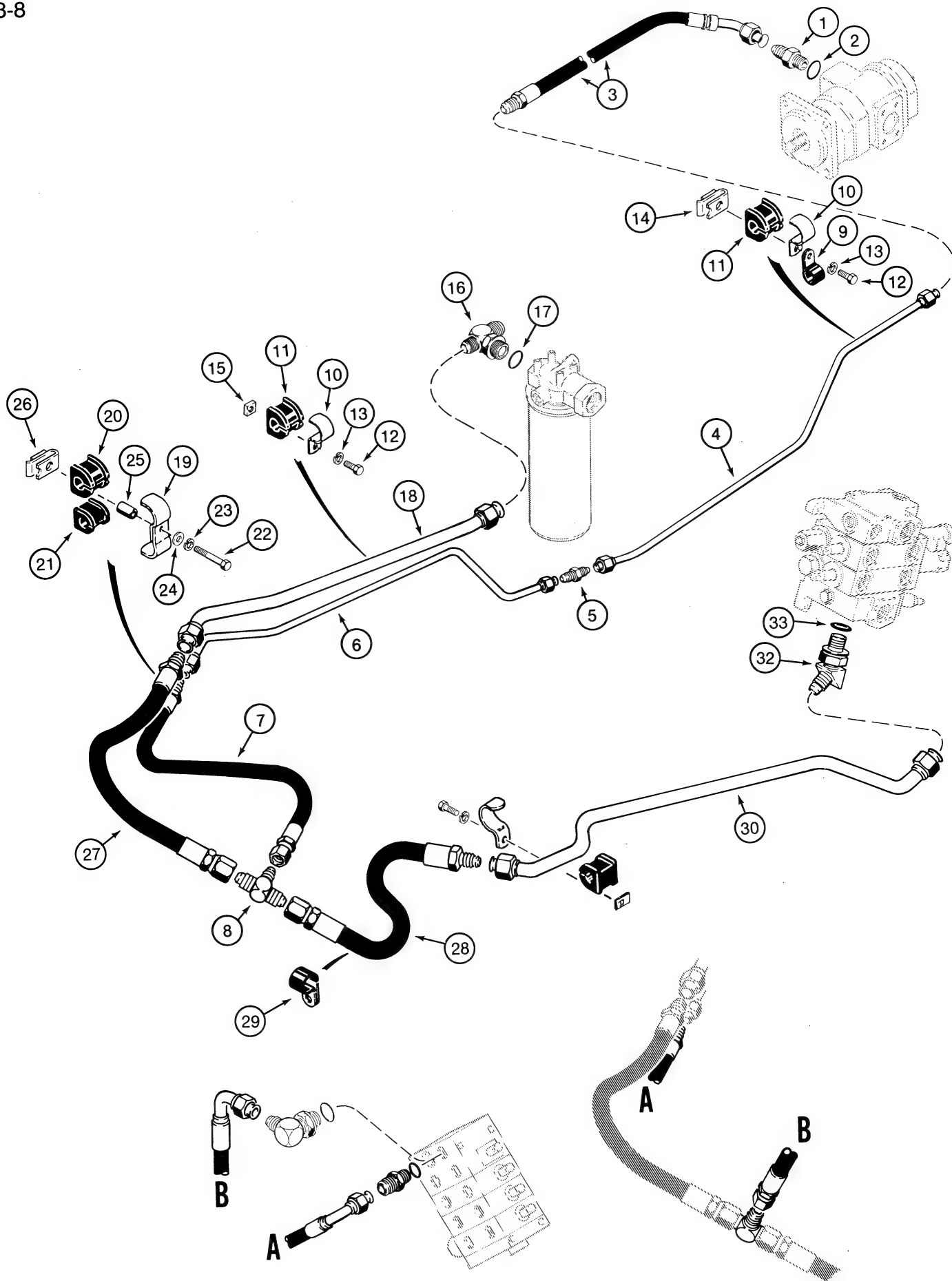
REF.	PART NO.	DESCRIPTION	REQD.
32	D151009	TUBE - pump outlet, hose to loader valve (replaces D149123).....	1
33	218-739	CONNECTOR - straight, 1-5/16-12 inch flare	1
34	D145940	TUBE - pump outlet, at loader valve inlet	1
35	218-5110	ELBOW - 90 degree, 1-5/16-12 inch flare x adj O-ring boss	2
36	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.....	1
37	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-65 or 8-67	1
38	D149754	TUBE - loader return, at loader valve outlet, two spool loader control valve.....	1
38A	D145942	TUBE - loader return, at loader valve outlet, three spool loader control valve.....	1
39	D146132	HOSE - 405 mm long, loader return, loader valve outlet to filter	1
40	218-5197	TEE - 1-5/16-12 adj O-ring branch x fl x 1-1/16-12 inch fl, at hydraulic oil filter fitting	1
41	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.....	1
42	D143410	CLAMP - 1 inch, loader valve inlet tube	1
43	D67297	INSULATOR - tube.....	1
44	413-616	BOLT - hex, 3/8 NC x 1 inch	1
45	492-11038	WASHER - lock, 3/8 inch.....	1
46	D122307	NUT - U-type, 3/8 inch NC, special.....	1
47	413-632	BOLT - hex, 3/8 NC x 2 inch	1
48	D143846	CLAMP - tube.....	2
49	D143412	SPACER - tube clamp	1
50	492-11038	WASHER - lock, 3/8 inch.....	1
51	425-106	NUT - hex, 3/8 inch NC	1



580 Super K Construction King Loader Backhoe
EQUIPMENT HYDRAULIC SYSTEM
EQUIPMENT PUMP TO REAR EQUIPMENT LINES
MODELS WITH BACKHOE

8-7

REF.	PART NO.	DESCRIPTION	REQD.
1	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, small pump section outlet port.....	1
2	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
3	D140802	HOSE - 513 mm long, small pump section outlet port	1
4	D149121	TUBE - small pump section hose to backhoe swing section inlet tube.....	1
5	218-736	CONNECTOR - straight, 7/8-14 inch flare.....	1
6	D146225	TUBE - to backhoe control valve swing section inlet, prior to P.I.N. JYG0162204, if used.....	1
6A	D150834	TUBE - to backhoe control valve swing section inlet, P.I.N. JYG0162204 and after, if used	1
7	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss.....	1
8	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
9	R24840	CLAMP - tube, lower.....	1
10	D143411	CLAMP - backhoe valve swing section inlet and return tubes	2
11	D143797	INSULATOR - 5/8 inch, tube.....	2
12	413-616	BOLT - hex, 3/8 NC x 1 inch	2
13	492-11038	WASHER - lock, 3/8 inch.....	2
14	D122307	NUT - U-type, 3/8 inch NC, special.....	1
15	224-2246	NUT - square, 3/8 inch NC.....	1
16	D150483	TUBE - backhoe return to filter, used with 6 spool backhoe control valve (replaces D145709 tube)	1
16A	D150488	TUBE - backhoe return to filter, used with 7 spool backhoe control valve (replaces D145711 tube)	1
17	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss.....	2
18	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.....	1
19	D143422	CLAMP - double tube	1
20	D67297	INSULATOR - 1 inch, backhoe return tube	1
21	D143797	INSULATOR - 5/8 inch, backhoe swing section inlet tube	1
22	413-632	BOLT - hex, 3/8 NC x 2 inch	1
23	492-11038	WASHER - lock, 3/8 inch.....	1
24	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	1
25	R46493	SPACER - tube clamp	1
26	D122307	NUT - U-type, 3/8 inch NC, special.....	1
27	D149751	TUBE - loader valve power beyond, to backhoe inlet section, 2 spool valve, production only, for service order item 35, 122426A1, tube and item 36, 122427A1, hose.....	1
27A	D150478	TUBE - loader valve power beyond, to backhoe inlet section, 3 spool valve, production only, for service order item 35, 122426A1, tube and item 36, 122427A1, hose.....	1
28	218-5140	ELBOW - 45 degree, 1-5/16-12 inch flare x adj O-ring boss	1
29	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.....	1
30	D143410	CLAMP - power beyond tube	1
31	D67297	INSULATOR - 5/8 inch, tube.....	1
32	413-616	BOLT - hex, 3/8 NC x 1 inch	1
33	492-11038	WASHER - lock, 3/8 inch.....	1
34	D122307	NUT - U-type, 3/8 inch NC, special.....	1
35	122426A1	TUBE - loader valve power beyond, to backhoe inlet section, service replacement, used with item 36, hose.....	1
36	122427A1	HOSE - 1320 mm long, loader valve power beyond, to backhoe inlet section, service replacement, used with item 35, tube.....	1



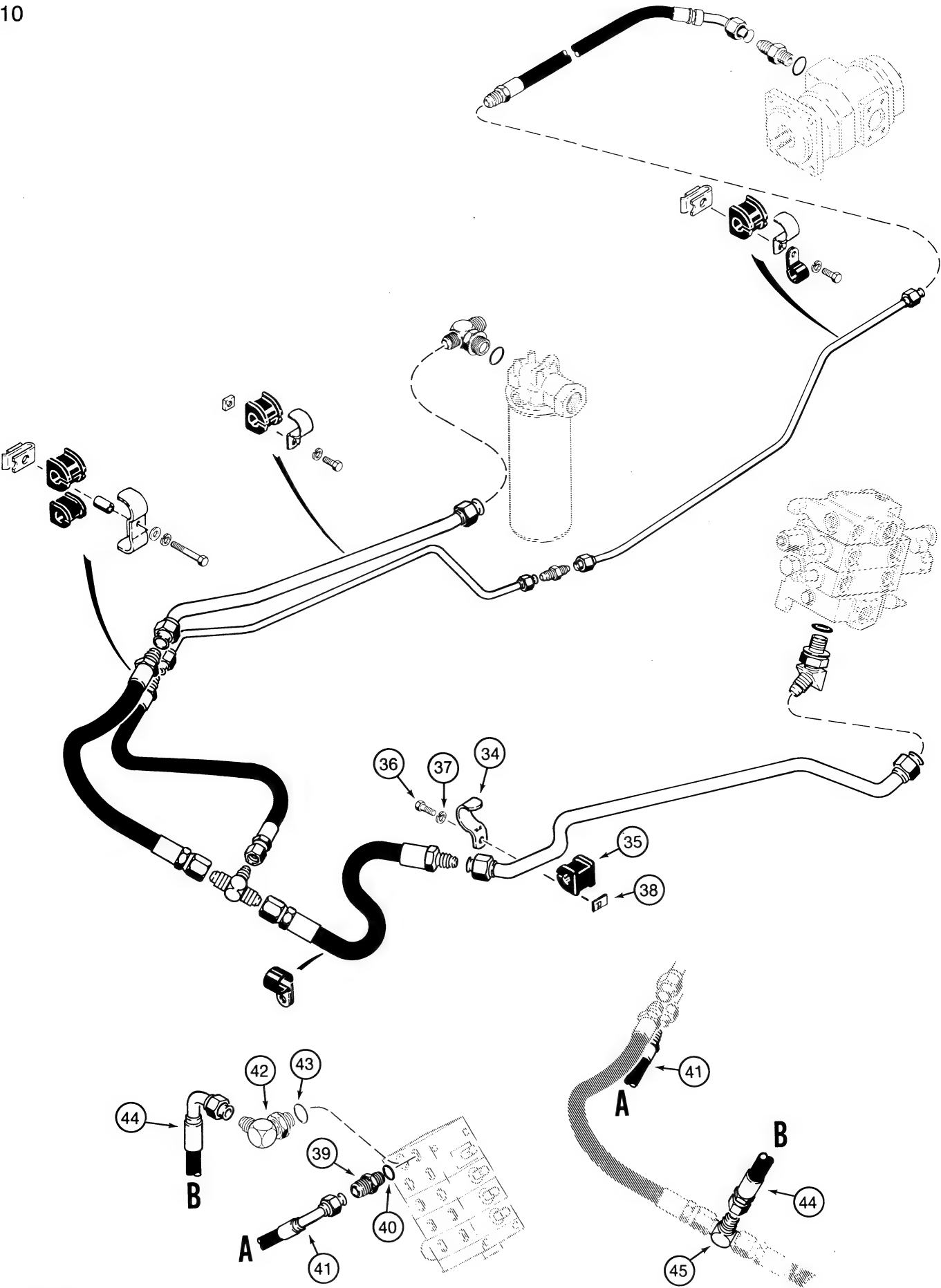
580 Super K Construction King Loader Backhoe
EQUIPMENT HYDRAULIC SYSTEM
EQUIPMENT PUMP TO REAR EQUIPMENT LINES
MODELS WITHOUT BACKHOE - LOADER ONLY

8-9

REF.	PART NO.	DESCRIPTION	REQ'D.
1	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, small pump section outlet port.....	1
2	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
3	D140802	HOSE - 513 mm long, small pump section outlet port	1
4	D149121	TUBE - small pump section hose to small pressure hose	1
5	218-736	CONNECTOR - straight, 7/8-14 inch flare.....	1
6	D147923	TUBE - pressure, small pump section tube to hose, lower left-hand side of chassis.....	1
7	*D147937	HOSE - 675 mm long, pressure, small pump section tube to return tee, models with rear counterweight, for models with three point hitch see items 41 and 44 on page 8-11	1
8	*218-588	TEE - 7/8-14 flare branch x 1-5/16-12 inch flare x flare, use with item 7 hose on models with rear counterweight	1
9	R24840	CLAMP - tube, lower.....	1
10	D143411	CLAMP - tube.....	2
11	D143797	INSULATOR - 5/8 inch, tube.....	2
12	413-616	BOLT - hex, 3/8 NC x 1 inch	2
13	492-11038	WASHER - lock, 3/8 inch.....	2
14	D122307	NUT - U-type, 3/8 inch NC, special.....	1
15	224-2246	NUT - square, 3/8 inch NC.....	1
16	218-5197	TEE - 1-5/16-12 adj O-ring branch x fl x 1-1/16-12 inch fl, at hydraulic oil filter	1
17	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.....	1
18	*D147925	TUBE - return to filter	1
19	D143422	CLAMP - double tube	1
20	D67297	INSULATOR - 1 inch, return tube	1
21	D143797	INSULATOR - 5/8 inch, pressure tube	1
22	413-632	BOLT - hex, 3/8 NC x 2 inch	1
23	492-11038	WASHER - lock, 3/8 inch.....	1
24	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	1
25	R46493	SPACER - tube clamp	1
26	D122307	NUT - U-type, 3/8 inch NC, special.....	1
27	*D136968	HOSE - 625 mm long, tee to return to filter tube.....	1
28	*D136966	HOSE - 800 mm long, to tee, right-hand side of chassis	1
29	D34163	CLAMP - hose, uses existing transaxle hardware.....	1
30	D149899	TUBE - loader valve power beyond, used with two spool loader control valve.....	1
31	D147927	TUBE - loader valve power beyond, used with three spool loader control valve, not shown.....	1
32	218-5140	ELBOW - 45 degree, 1-5/16-12 inch flare x adj O-ring boss	1
33	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.....	1

***NOTE:** See page 8-7 for rear hydraulic tubes used on models with backhoe.

Continued on next page



580 Super K Construction King Loader Backhoe
EQUIPMENT HYDRAULIC SYSTEM
EQUIPMENT PUMP TO REAR EQUIPMENT LINES
MODELS WITHOUT BACKHOE - LOADER ONLY

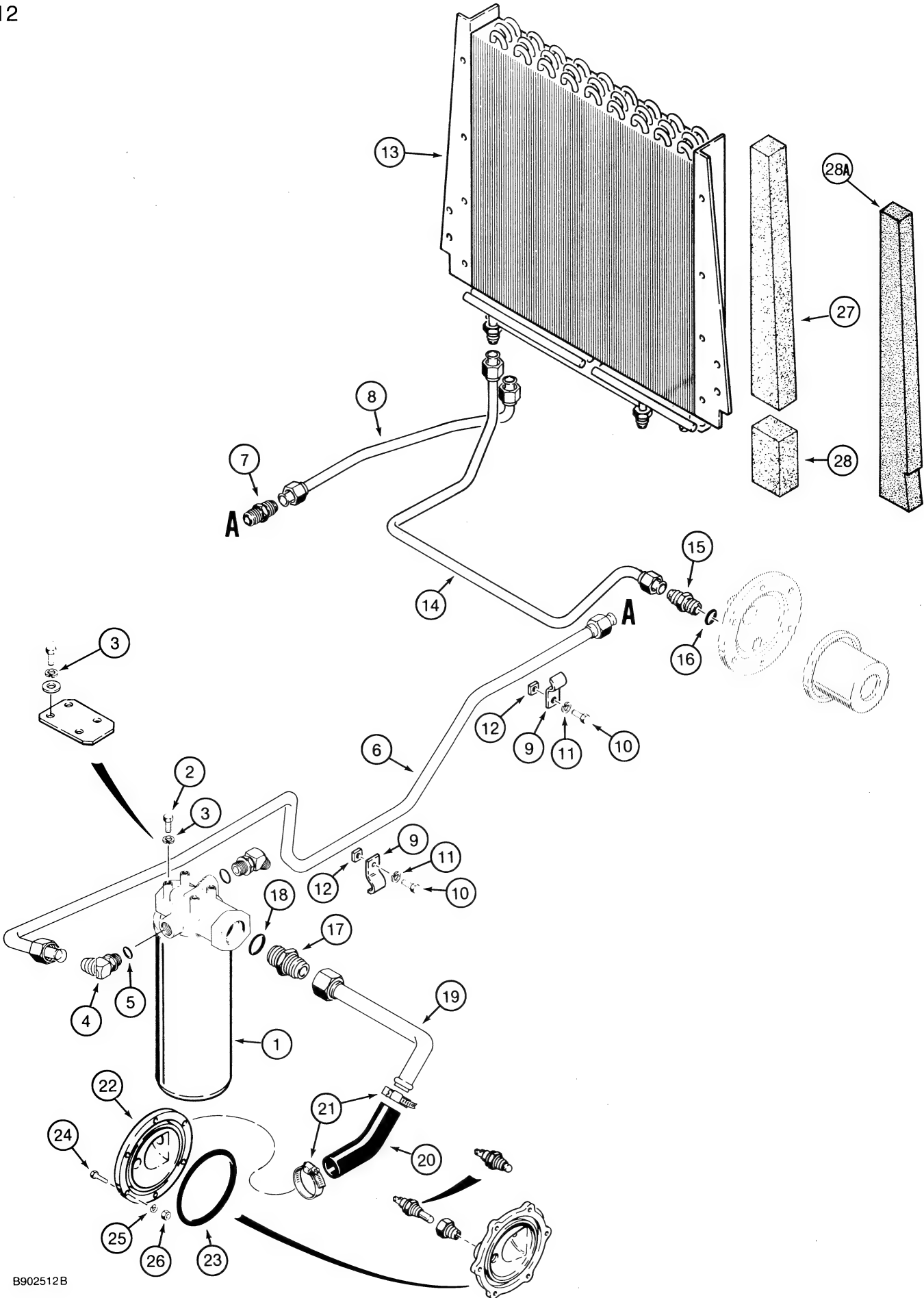
8-11

REF.	PART NO.	DESCRIPTION	REQ'D.
34	D143410	CLAMP - power beyond tube	1
35	D67297	INSULATOR - 5/8 inch, tube.....	1
36	413-616	BOLT - hex, 3/8 NC x 1 inch	1
37	492-11038	WASHER - lock, 3/8 inch.....	1
38	D122307	NUT - U-type, 3/8 inch NC, special.....	1

**SPECIAL PARTS TO ADAPT THREE-POINT
HITCH TO LOADER MODELS**

39	218-5066	ADAPTER - straight, 7/8-14 flare x 3/4-16 inch O-ring boss, at hitch valve inlet port, upper	1
40	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
41	D150819	HOSE - 975 mm long, pressure, to hitch valve inlet, upper port	1
42	218-5108	ELBOW - 90 degree, 1-1/16-12 inch flare x adj O-ring boss, at hitch valve return port, lower	1
43	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
44	D141265	HOSE - 850 mm long, return from hitch valve outlet, lower port	1
45	218-587	TEE - 1-1/16-12 flare branch x 1-5/16-12 inch flare x flare.....	1

***NOTE:** See page 8-7 for rear hydraulic tubes used on models with backhoe.



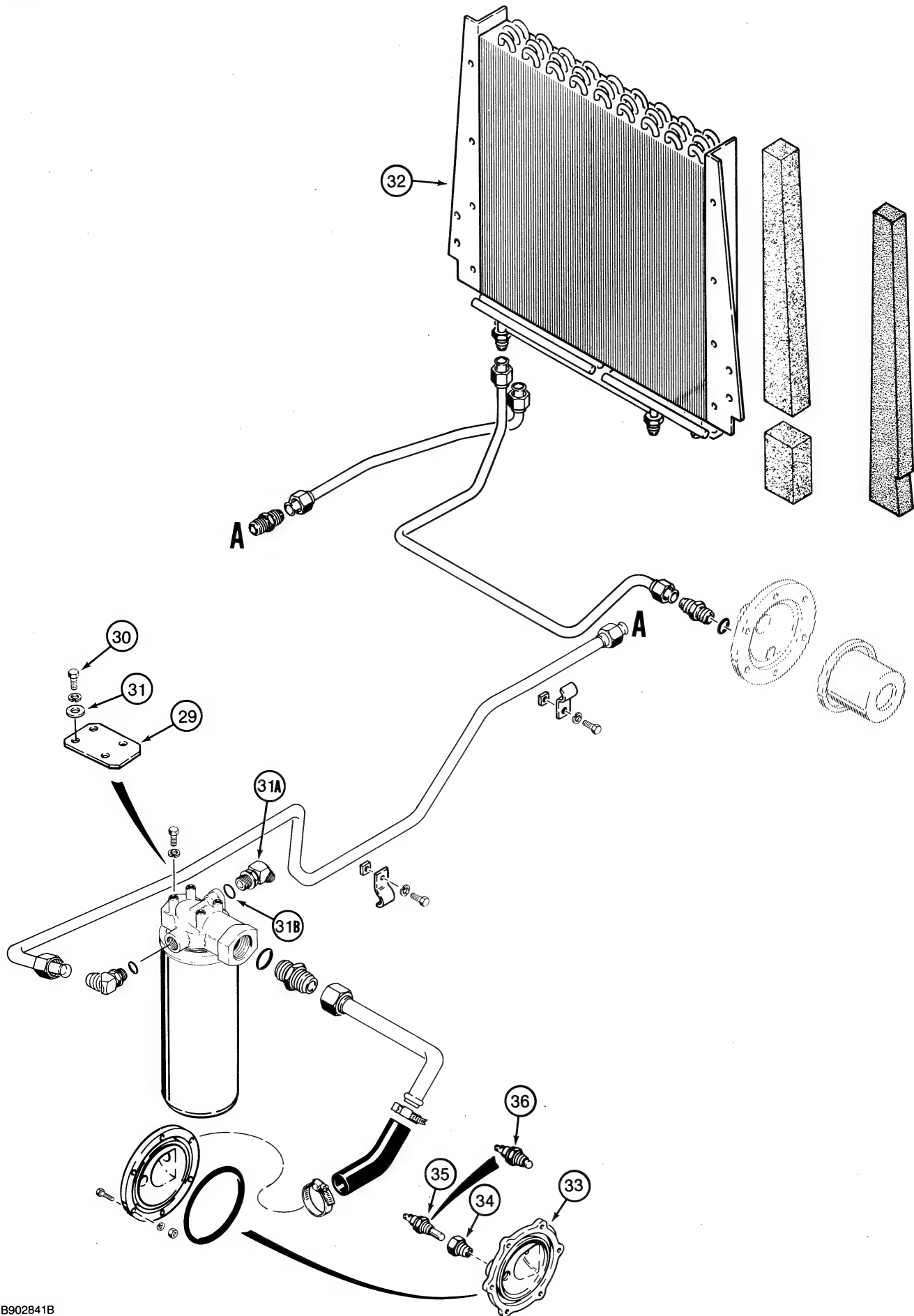
580 Super K Construction King Loader Backhoe
EQUIPMENT HYDRAULIC SYSTEM
OIL COOLER LINES, RETURN LINES, AND FILTER

8-13

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	FILTER ASSEMBLY - hydraulic oil, see page 8-115 for correct assembly and components.....	1
2	413-614	BOLT - hex, 3/8 NC x 7/8 inch, used on models without spacer plate, item 29 below.....	4
3	492-11038	WASHER - lock, 3/8 inch.....	4
4	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss.....	1
5	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
6	D145954	TUBE - oil filter to cooler inlet tube.....	1
7	218-736	CONNECTOR - straight, 7/8-14 inch flare.....	1
8	D150995	TUBE - cooler inlet.....	1
9	D143430	CLAMP - tube.....	2
10	413-612	BOLT - hex, 3/8 NC x 3/4 inch.....	2
11	492-11038	WASHER - lock, 3/8 inch.....	2
12	224-2246	NUT - square, 3/8 inch NC.....	2
13	A184542	COOLER - oil, power shuttle and equipment hydraulic oil, see page 6-5 for oil cooler mounting hardware.....	1
14	D147488	TUBE - cooler return to reservoir.....	1
15	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss.....	1
16	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
17	218-5086	ADAPTER - straight, 1-5/16-12 flare x 1-5/8-12 inch O-ring, return to tank.....	1
18	237-6020	O-RING - 1-15/32 ID x 1/8 inch wide.....	1
19	D150518	TUBE - return to tank (replaces D145944 tube).....	1
20	D146034	HOSE - 25 ID x 35 OD x 102 mm long, return, at tank inlet.....	1
21	214-1416	CLAMP - adj, 13/16 - 1-1/2 inch dia.....	2
22	D125694	FLANGE - reservoir, return.....	1
23	238-5425	O-RING - reservoir return flange (replaces T53326).....	1
24	413-416	BOLT - hex, 1/4 NC x 1 inch.....	6
25	492-11025	WASHER - lock, 1/4 inch.....	6
26	425-104	NUT - hex, 1/4 inch NC.....	6
27	*D140840	BAFFLE - base size is 2-3/16 (55) x 17-3/4 inch (450 mm) high, cut from D92228 bulk pad, see below, no longer available, replaced by 111996A1, item 28A.....	2
28	*D140841	BAFFLE - base size is 2-3/8 (60) x 3-15/16 inch (100 mm) high, cut from D92228 bulk pad, see below, no longer available, replaced by 111996A1, item 28A.....	2
28A	*111996A1	BAFFLE - base size is 3-3/16 (81) x 24-39/64 inch (625 mm) high, cut from D92228 bulk pad, see below.....	2
	D92228	BAFFLE - bulk pad, 900 x 1400 x 38 mm.....	1
	345-44	ADHESIVE - spray can, for attaching foam pads to metal surfaces (purchase locally).....	1

***NOTE:** These baffles are shown installed next to the oil cooler on models without air conditioner. On models with air conditioner they are installed next to the condenser coil, see page 9-159.

Continued on next page



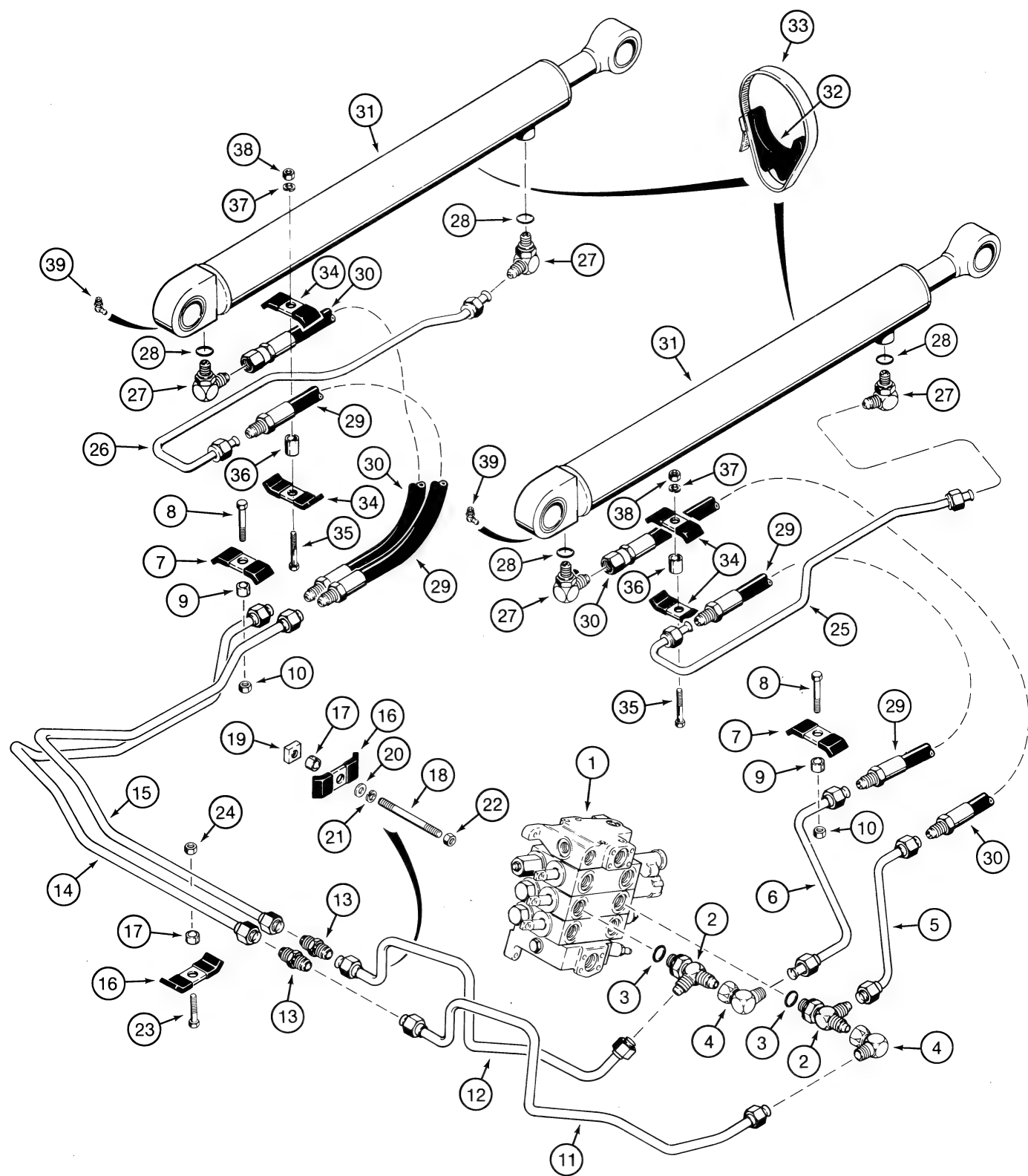
580 Super K Construction King Loader Backhoe
EQUIPMENT HYDRAULIC SYSTEM
OIL COOLER LINES, RETURN LINES, AND FILTER

8-15

REF.	PART NO.	DESCRIPTION	REQD.
29	D150794	PLATE - spacer, filter	1
30	413-616	BOLT - hex, 3/8 NC x 1 inch	4
31	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	4
31A	218-5529	ELBOW - 45 deg, 3/4-16 flare x 9/16-18 inch adj O-ring boss, replaces items 36 and 47 adapter and elbow on page 5-7 on some models, see page 5-7 for attaching parts	1
31B	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1

**SPECIAL PARTS USED ON MODELS WITH AUXILIARY
HYDRAULICS FOR OPTIONAL REAR HYDRAULIC ATTACHMENTS**

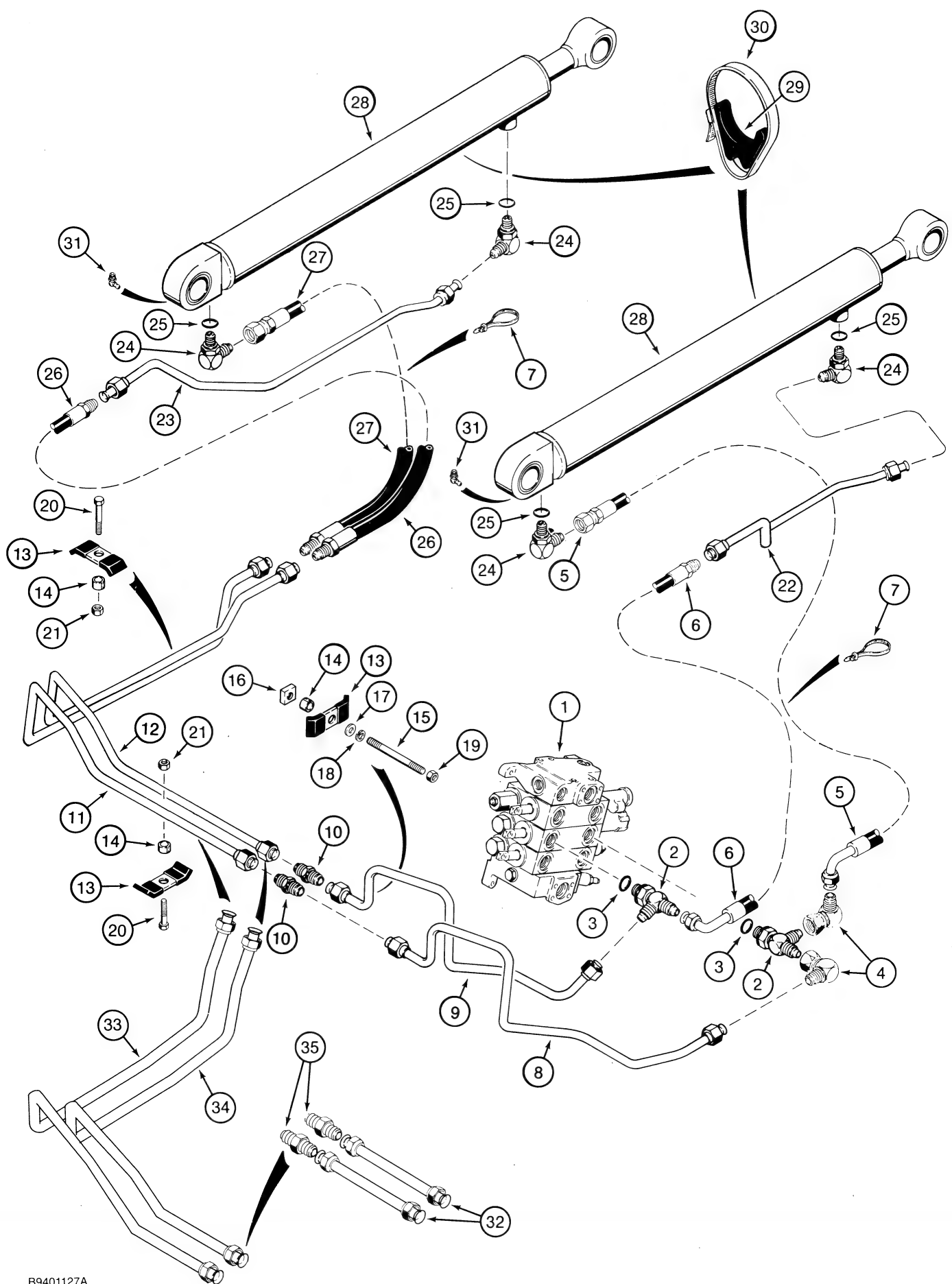
32	A184190	COOLER - oil, heavy duty, power shuttle and equipment hydraulic oil, see page 6-5 for oil cooler mounting hardware, replaces item 13 cooler on models with auxiliary hydraulics.....	1
33	D139268	FLANGE - return, replaces item 22 flange on models with auxiliary hydraulics	1
34	221-88	REDUCER - pipe, 1/2 male x 1/4 inch female, used with D70163 switch, if used	1
35	D70163	SWITCH - oil temperature, attaches to main harness, used with item 34 reducer, no longer used, order 1345488C2 switch, item 36 and remove 221-1088 reducer, item 34.....	1
36	1345488C2	SWITCH - 225 degree, oil temperature, attaches to main harness (replaces 1345488C1 235 degree switch)	1



580 Super K Construction King Loader Backhoe
LOADER LIFT CYLINDER HYDRAULIC CIRCUIT
PRIOR TO P.I.N. JJG0169931

8-17

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-65 or 8-67, for mounting see page 9-3.....	1
2	218-5241	TEE - 7/8-14 inch flare branch x flare x adj O-ring boss.....	2
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
4	218-5232	ELBOW - 90 degree, 7/8-14 inch flare x swivel flare	2
5	D145928	TUBE - tee to closed end of right-hand lift cylinder.....	1
6	D145922	TUBE - tee to rod end of right-hand lift cylinder	1
7	D143846	CLAMP - metal, tube.....	2
8	413-632	BOLT - hex, 3/8 NC x 2 inch	2
9	D146035	SPACER - tube clamp	2
10	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	2
11	D149357	TUBE - at tee, to closed end of left-hand lift cylinder.....	1
12	D149359	TUBE - at tee, to rod end of left-hand lift cylinder	1
13	218-736	CONNECTOR - straight, 7/8-14 inch flare.....	2
14	D145924	TUBE - crossover, to closed end of left-hand lift cylinder	1
15	D145918	TUBE - crossover, to rod end of left-hand lift cylinder	1
16	D138055	CLAMP - tube.....	2
17	D146035	SPACER - tube clamp	2
18	R46227	STUD - special, tube clamp to chassis bracket	1
19	224-2246	NUT - square, 3/8 inch NC.....	1
20	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	1
21	492-11038	WASHER - lock, 3/8 inch.....	1
22	425-106	NUT - hex, 3/8 inch NC	1
23	413-628	BOLT - hex, 3/8 NC x 1-3/4 inch.....	1
24	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	1
25	D149044	TUBE - at rod end of right-hand lift cylinder	1
26	D149046	TUBE - at rod end of left-hand lift cylinder.....	1
27	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss.....	4
28	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
29	D131496	HOSE - 690 mm long, to rod end of lift cylinders (replaces D143828).....	2
30	D131497	HOSE - 725 mm long, to closed end of lift cylinders (replaces D140951).....	2
31	1340976C1	CYLINDER ASSEMBLY - lift, right-hand and left-hand, parts list page 8-117, no longer available, order 110303A1 cylinder on page 8-117D	2
32	D38648	SPACER - rubber, single tube.....	2
33	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, tube to cylinder.....	2
34	D143846	CLAMP - metal, hose.....	4
35	413-632	BOLT - hex, 3/8 NC x 2 inch	2
36	D143412	SPACER - hose, at tubes to cylinders.....	2
37	492-11038	WASHER - lock, 3/8 inch.....	2
38	425-106	NUT - hex, 3/8 inch NC	2
39	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch.....	2

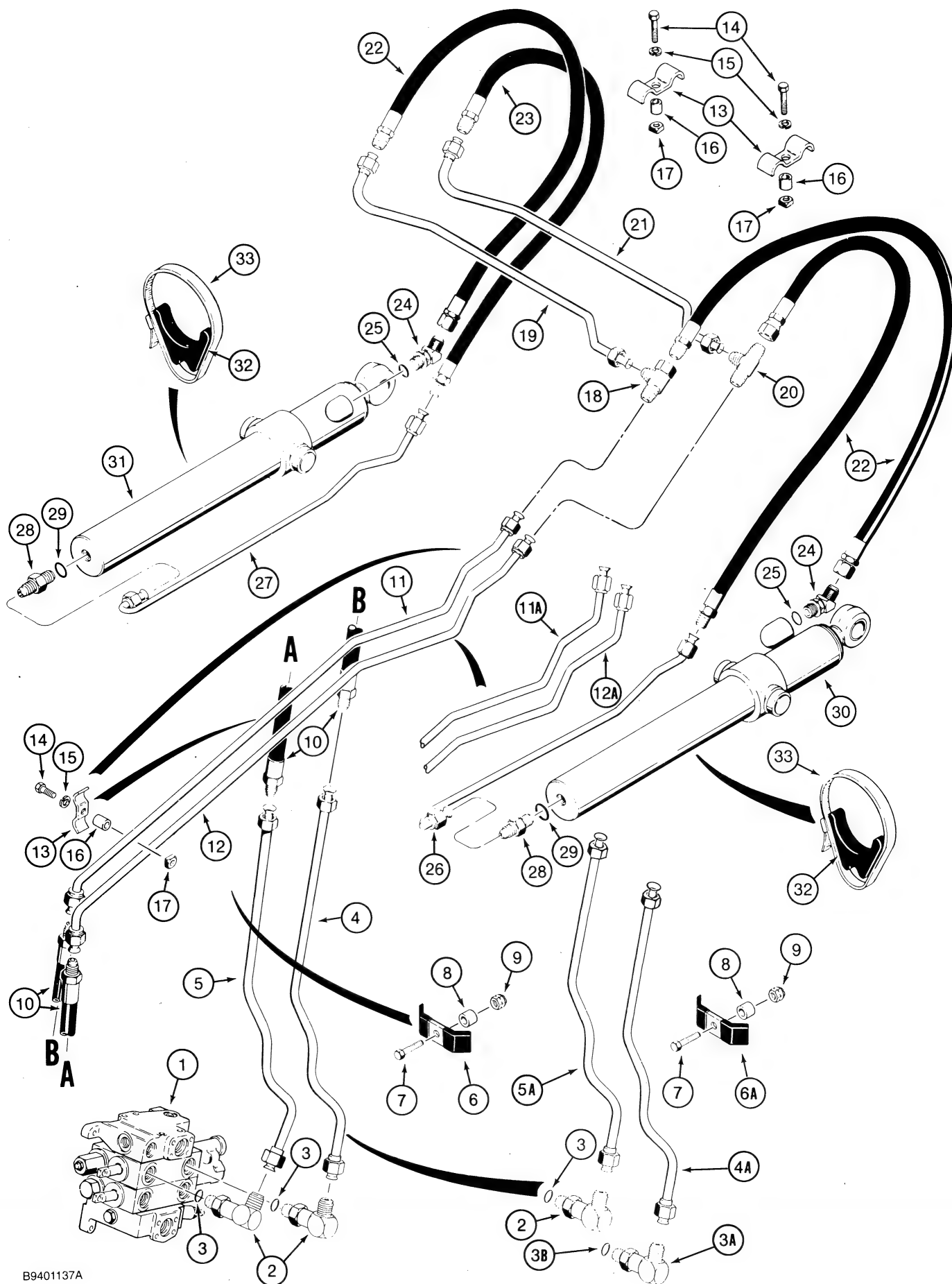


**580 Super K Construction King Loader Backhoe
LOADER LIFT CYLINDER HYDRAULIC CIRCUIT**

8-17B

P.I.N. JJG0169931 AND AFTER

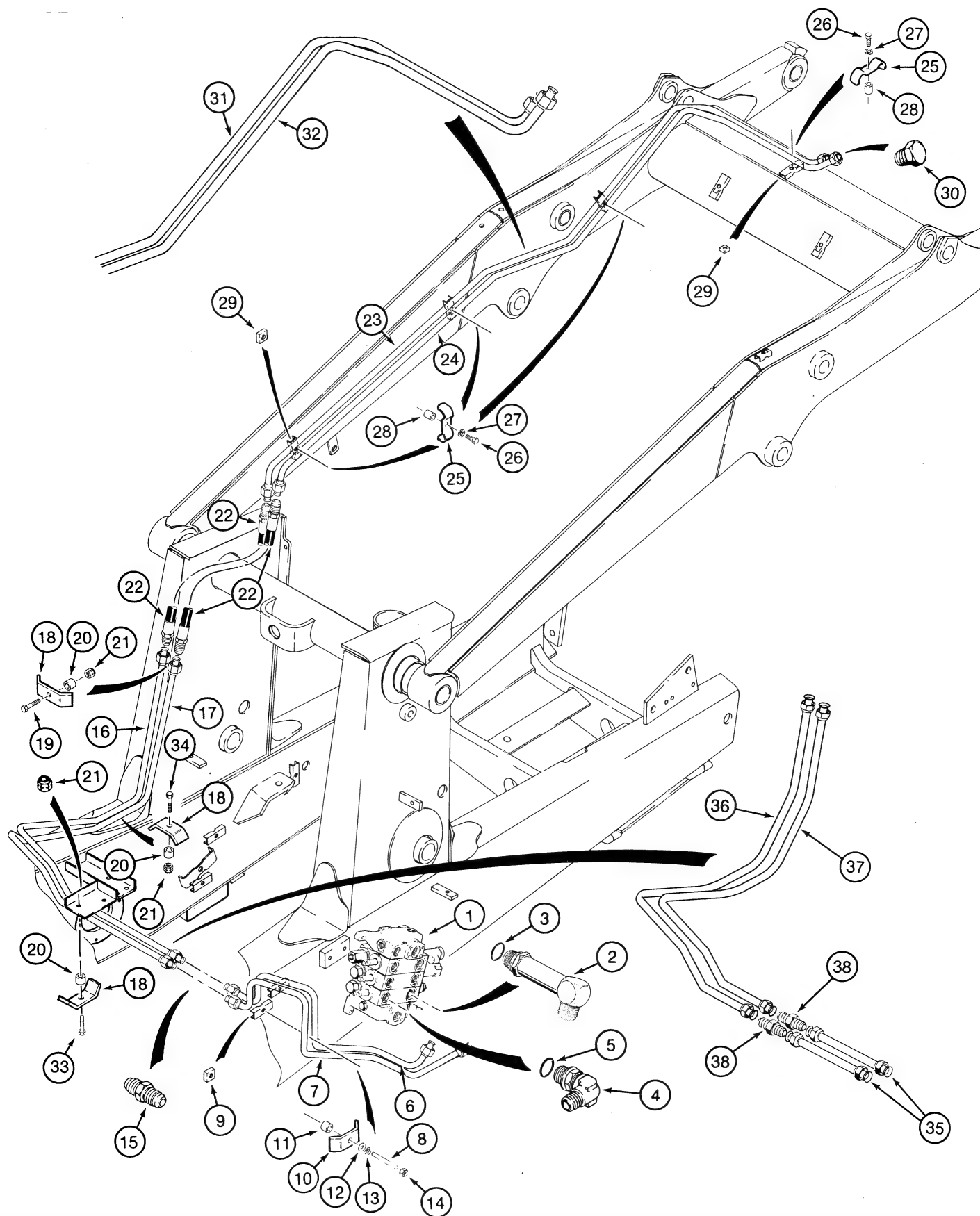
REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-65 or 8-67, for mounting see page 9-3.....	1
2	218-5241	TEE - 7/8-14 inch flare branch x flare x adj O-ring boss.....	2
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
4	218-5232	ELBOW - 90 degree, 7/8-14 inch flare x swivel flare.....	2
5	D150669	HOSE - 813 mm long, to closed end of right-hand lift cylinder.....	1
6	D150668	HOSE - 722 mm long, to rod end of right-hand lift cylinder.....	1
7	L18337	STRAP - tie, lift cylinder hoses.....	3
8	D149357	TUBE - at tee, to closed end of left-hand lift cylinder.....	1
9	D149359	TUBE - at tee, to rod end of left-hand lift cylinder.....	1
10	218-736	CONNECTOR - straight, 7/8-14 inch flare.....	2
11	D151095	TUBE - to closed end of left-hand lift cylinder, production only, for service order (1) each of item 32, D151021 tube, item 33, D151023 tube and item 35, 218-736 connector.....	1
12	D151093	TUBE - to rod end of left-hand lift cylinder, production only for service order (1) each of item 32, D151021 tube, item 34, D151025 tube and item 35, 218-736 connector.....	1
13	D138055	CLAMP - tube.....	3
14	D146035	SPACER - tube clamp.....	3
15	R46227	STUD - special, tube clamp to chassis bracket.....	1
16	224-2246	NUT - square, 3/8 inch NC.....	1
17	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch.....	1
18	492-11038	WASHER - lock, 3/8 inch.....	1
19	425-106	NUT - hex, 3/8 inch NC.....	1
20	413-628	BOLT - hex, 3/8 NC x 1-3/4 inch.....	2
21	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	2
22	D150993	TUBE - at rod end of right-hand lift cylinder.....	1
23	D150991	TUBE - at rod end of left-hand lift cylinder.....	1
24	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss.....	4
25	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
26	D150667	HOSE - 457 mm long, to rod end of left-hand lift cylinder.....	1
27	D150670	HOSE - 762 mm long, to closed end of left-hand lift cylinder.....	1
28	REF	CYLINDER ASSEMBLY - lift, right-hand and left-hand, for correct assembly and components, see page 8-117 - 8-117D.....	2
29	D38648	SPACER - rubber, single tube.....	2
30	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia.....	2
31	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch.....	2
32	D151021	TUBE - straight, used with items 33 or 34, and 35.....	2
33	D151023	TUBE - to closed end of left-hand lift cylinder, used with items 32 and 35.....	1
34	D151025	TUBE - to rod end of left-hand lift cylinder, used with items 32 and 35.....	1
35	218-736	CONNECTOR - straight, 7/8-14 inch flare, used item 32, and item 33 or 34.....	2



580 Super K Construction King Loader Backhoe LOADER BUCKET CYLINDER HYDRAULIC CIRCUIT

8-19

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-65 or 8-67, for mounting see page 9-3.....	1
2	R20894	ELBOW - 90 degree, special, (2) used prior to P.I.N. JYG0169931, (1) used P.I.N. JYG0169931 and after	1-2
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
3A	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, P.I.N. JYG0169931 and after	1
3B	237-6010	O-RING - 3/4 ID x 3/32 inch.....	1
4	D147961	TUBE - lower port of control valve, prior to P.I.N. JYG0169931	1
4A	D150989	TUBE - lower port of control valve, P.I.N. JYG0169931 and after	1
5	D147963	TUBE - upper port of control valve, prior to P.I.N. JYG0169931	1
5A	D151079	TUBE - upper port of control valve, P.I.N. JYG0169931 and after	1
6	D143846	CLAMP - tube to chassis, prior to P.I.N. JYG0169931	1
6A	D138055	CLAMP - tube to chassis, P.I.N. JYG0169931 and after.....	1
7	413-632	BOLT - hex, 3/8 NC x 2 inch	1
8	D146035	SPACER - clamp.....	1
9	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8	1
10	D125995	HOSE - 750 mm long, at loader lift frame pivot	2
11	D146250	TUBE - upper, on right-hand lift arm, no longer available, order D150598 and D150600 tubes, items 11A and 12A	1
11A	D150598	TUBE - upper, on right-hand lift arm.....	1
12	D146254	TUBE - lower, on right-hand lift arm, no longer available, order D150598 and D150600 tubes, items 11A and 12A	1
12A	D150600	TUBE - lower, on right-hand lift arm.....	1
13	D143427	CLAMP - tubes to lift arm	5
14	413-616	BOLT - hex, 3/8 NC x 1 inch	5
15	492-11038	WASHER - lock, 3/8 inch.....	5
16	D143417	SPACER - 10 ID x 16 OD x 6 mm long, plated	5
17	224-2246	NUT - square, 3/8 inch NC.....	5
18	218-5220	TEE - 7/8-14 inch flare branch x flare x adj straight thread, at upper lift frame crossover tube	1
19	D146552	TUBE - lower, crossover, at upper lift frame, to rod end of bucket cylinders.....	1
20	218-595	TEE - 7/8-14 inch flare, at upper lift frame crossover tube.....	1
21	D146550	TUBE - upper, crossover, at upper lift frame, to closed end of bucket cylinders.....	1
22	D131497	HOSE - 725 mm long, to rod end of left-hand and right-hand bucket cylinders and to closed end of right-hand bucket cylinder (replaces D140951).....	3
23	D125995	HOSE - 750 mm long, to closed end of left-hand bucket cylinder (replaces D140949).....	1
24	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss.....	2
25	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
26	D127940	TUBE - to closed end of right-hand bucket cylinder	1
27	D127942	TUBE - to closed end of left-hand bucket cylinder.....	1
28	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss.....	2
29	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
30	REF	CYLINDER ASSEMBLY - bucket, right-hand, for correct assembly and components, see page 8-119 or 8-119B	1
31	REF	CYLINDER ASSEMBLY - bucket, left-hand, for correct assembly and components, see page 8-119 or 8-119B	1
32	D38648	INSULATOR - rubber, tube clamp.....	2
33	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, tube to cylinder.....	2



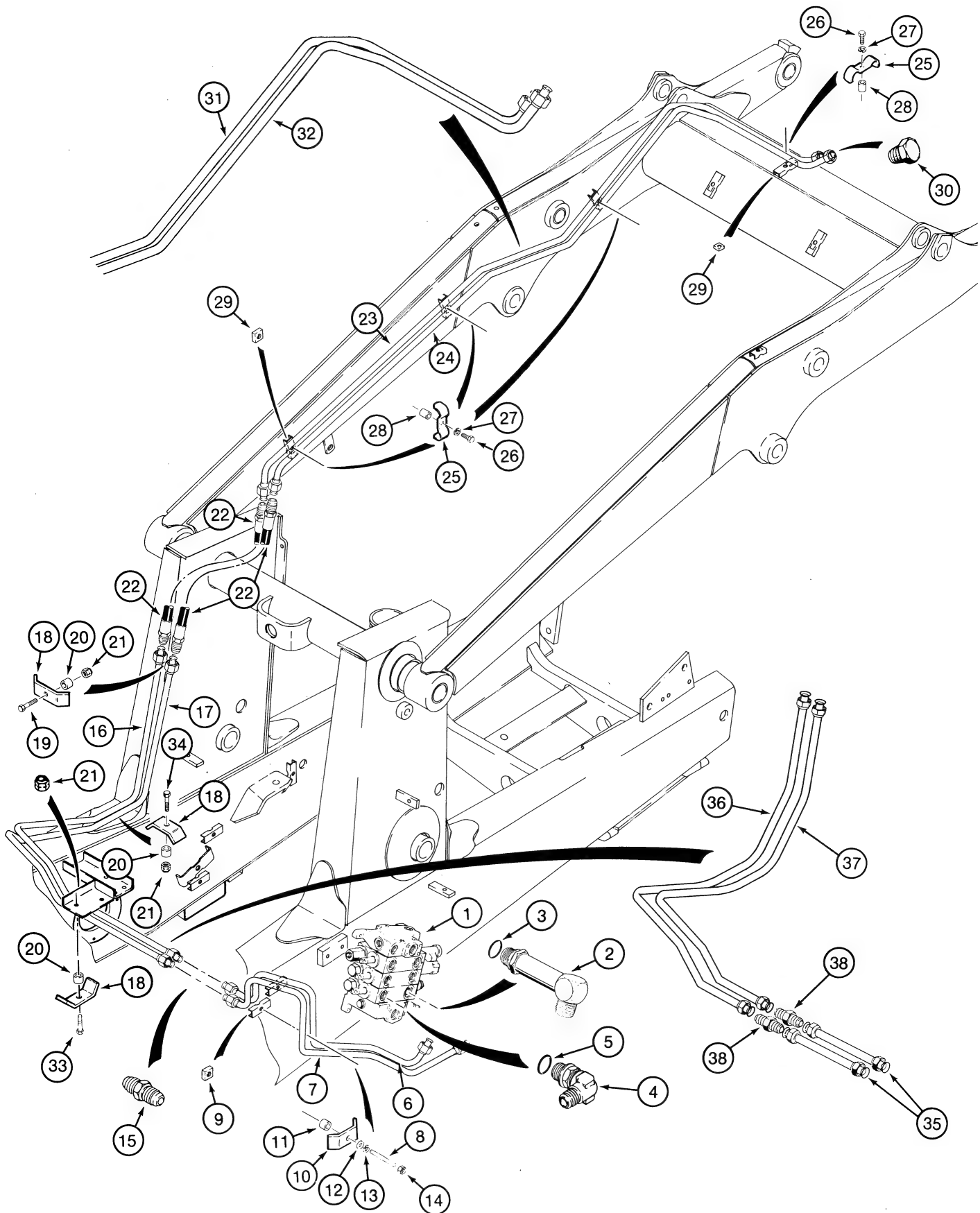
580 Super K Construction King Loader Backhoe

LOADER CLAM CYLINDER HYDRAULIC CIRCUIT

8-21

REF.	PART NO.	DESCRIPTION	REQD.
1	1346393C1	VALVE ASSEMBLY - loader control, three-spool, parts list page 8-67, for mounting see page 9-3	1
2	D23143	ELBOW - 90 degree, special, lower port of valve.....	1
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
4	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, upper port of valve.....	1
5	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
6	D145912	TUBE - at upper port auxiliary section of loader control valve	1
7	D145916	TUBE - at lower port auxiliary section of loader control valve	1
8	R46227	STUD - special, tube clamp to chassis bracket	1
9	224-2246	NUT - square, 3/8 inch NC.....	1
10	D143846	CLAMP - tubes to right-hand side of chassis	1
11	D146035	SPACER - tube clamp	1
12	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	1
13	492-11038	WASHER - lock, 3/8 inch.....	1
14	425-106	NUT - hex, 3/8 inch NC	1
15	218-736	CONNECTOR - straight, 7/8-14 inch flare.....	2
16	D145914	TUBE - upper port loader valve tube to lift frame tube, prior to P.I.N. JJG0169931	1
16A	D151097	TUBE - upper port loader valve tube to lift frame tube, P.I.N. JJG0169931 and after, not shown, production only, for service order (1) each of item 35, D151021 tube, item 36, D151027 tube and item 38, 218-736 connector on page 8-21B	1
17	D145910	TUBE - lower port loader valve tube to lift frame tube, prior to P.I.N. JJG0169931	1
17A	D151099	TUBE - lower port loader valve tube to lift frame tube, P.I.N. JJG0169931 and after, not shown, production only, for service order (1) each of item 35, D151021 tube, item 37, D151029 tube and item 38, 218-736 connector on page 8-21B	1
18	D138055	CLAMP - tubes to left-hand side of chassis	3
19	413-632	BOLT - hex, 3/8 NC x 2 inch	1
20	D146035	SPACER - tube clamps.....	3
21	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8.....	3
22	D125995	HOSE - 750 mm long, at loader arm pivot.....	2

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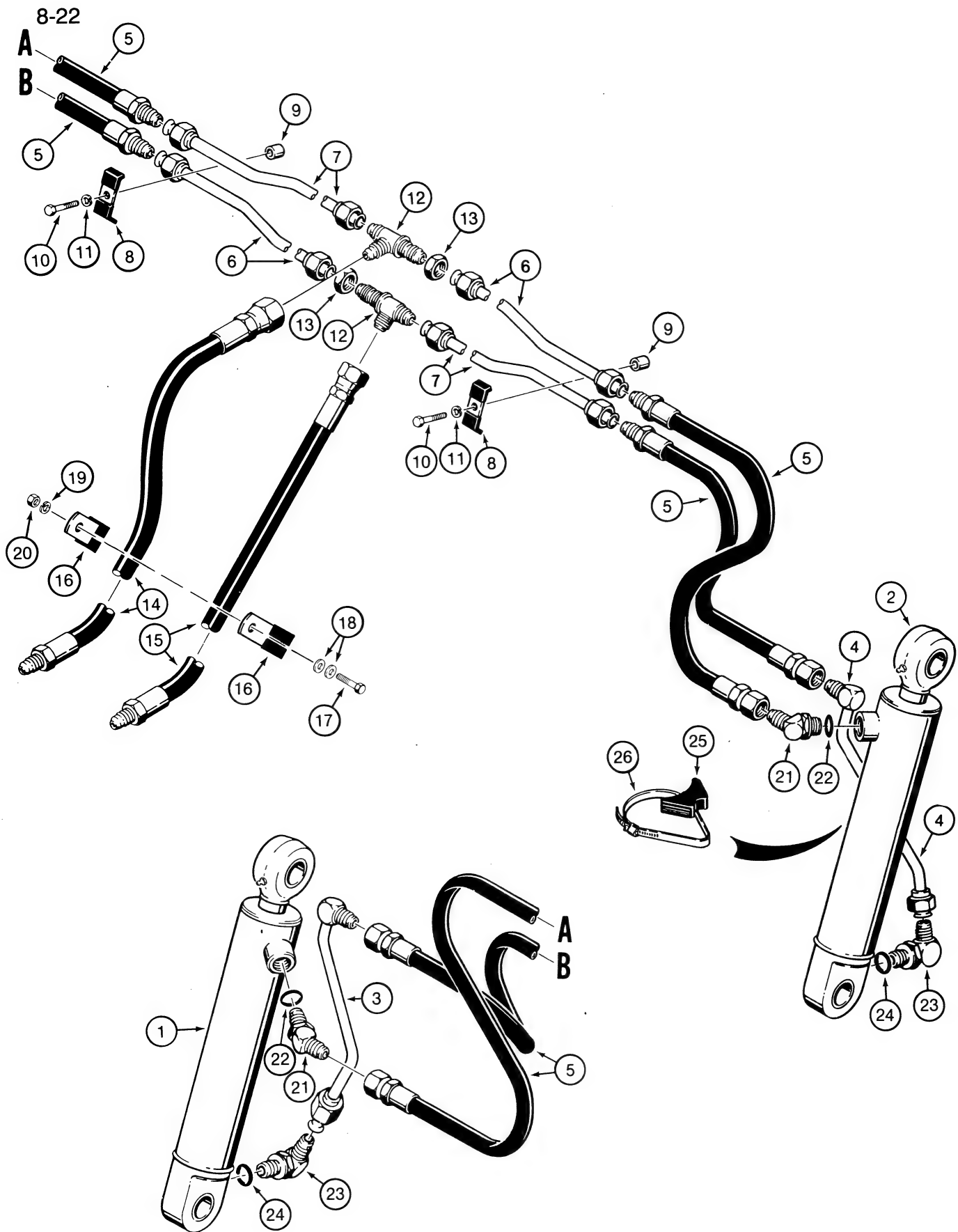


580 Super K Construction King Loader Backhoe
LOADER CLAM CYLINDER HYDRAULIC CIRCUIT

8-21B

REF.	PART NO.	DESCRIPTION	REQD.
23	D146246	TUBE - upper, on loader lift frame, no longer available, order D150691 and D150693 tubes, items 31 and 32	1
24	D146248	TUBE - lower, on loader lift frame, no longer available, order D150691 and D150693 tubes, items 31 and 32	1
25	D143427	CLAMP - tube, on loader lift frame	4
26	413-616	BOLT - hex, 3/8 NC x 1 inch	4
27	492-11038	WASHER - lock, 3/8 inch	4
28	D143417	SPACER - 10 mm ID x 16 mm OD x 6 mm long, replaces D123539	4
29	224-2246	NUT - square, 3/8 inch NC	4
30	218-776	PLUG - hex, 7/8-14 inch flare, not used on models with clam bucket, if used	2
31	D150691	TUBE - upper, on loader lift frame	1
32	D150693	TUBE - lower, on loader lift frame	1
33	413-628	BOLT - hex, 3/8 NC x 1-3/4 inch	1
34	413-640	BOLT - hex, 3/8 NC x 2-1/2 inch	1
35	D151021	TUBE - straight, used with items 36 or 37, and 38	2
36	D151027	TUBE - clam section, port "A", used with item 35 and 38	1
37	D151029	TUBE - clam section, port "B", used with item 35 and 38	1
38	218-736	CONNECTOR - straight, 7/8-14 inch flare, used with item 35, and items 36 or 37	2

NOTE: To complete the clam cylinder hydraulic circuit see
page 8-23.

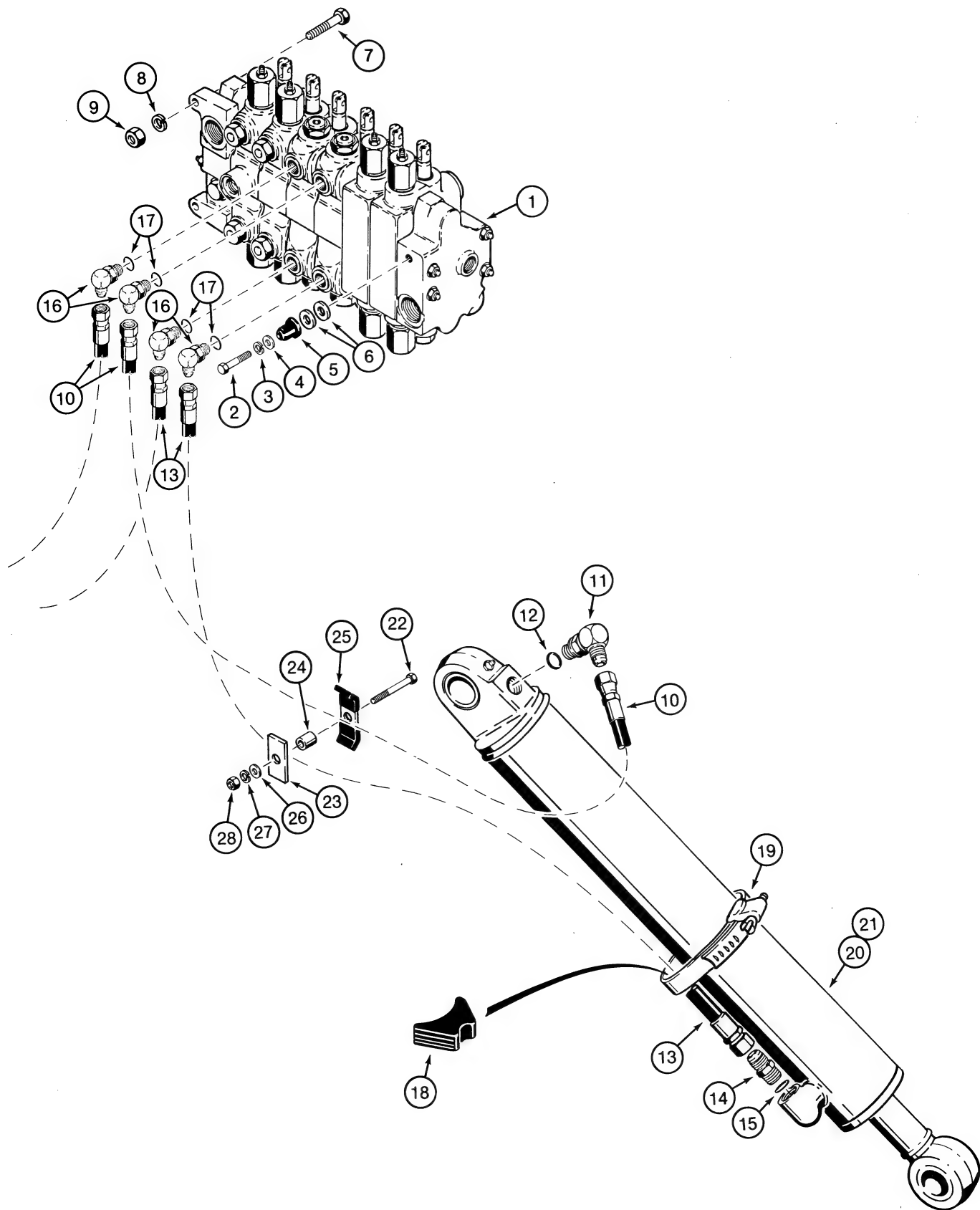


580 Super K Construction King Loader Backhoe
LOADER CLAM CYLINDER HYDRAULIC CIRCUIT
AT LOADER BUCKET

8-23

REF.	PART NO.	DESCRIPTION	REQD.
1	1346190C1	CYLINDER ASSEMBLY - clam, left-hand, parts list page 8-121.....	1
2	1346189C1	CYLINDER ASSEMBLY - clam, right-hand, parts list page 8-121	1
3	D148192	TUBE - left-hand cylinder.....	1
4	D148190	TUBE - right-hand cylinder	1
5	D27984	HOSE - 26 inch long, right-hand and left-hand cylinders.....	4
6	D134461	TUBE - horizontal, right-hand upper and left-hand lower	2
7	D134459	TUBE - horizontal, right-hand lower and left-hand upper	2
8	D40236	CLAMP - horizontal tubing.....	2
9	D146035	SPACER - tube clamps.....	2
10	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	2
11	492-11038	WASHER - lock, 3/8 inch.....	2
12	218-1237	TEE - 7/8-14 inch flare branch x flare x bulkhead flare, connecting horizontal and vertical tubes and hoses	2
13	218-1251	NUT - hex, lock, bulkhead, 7/8 inch NF	2
14	D148252	HOSE - 1000 mm long, clam cylinder, rod end.....	1
15	D148251	HOSE - 895 mm long, clam cylinder, closed end	1
16	S88820	CLAMP - vertical hoses	2
17	413-520	BOLT - hex, 5/16 NC x 1-1/4 inch	1
18	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	2
19	492-11031	WASHER - lock, 5/16 inch	1
20	425-105	NUT - hex, 5/16 inch NC	1
21	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss, clam cylinders, rod end	2
22	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
23	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, adjustable, clam cylinders, closed end	2
24	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
25	D38648	INSULATOR - rubber, clamp	2
26	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, clam cylinder tubing	2

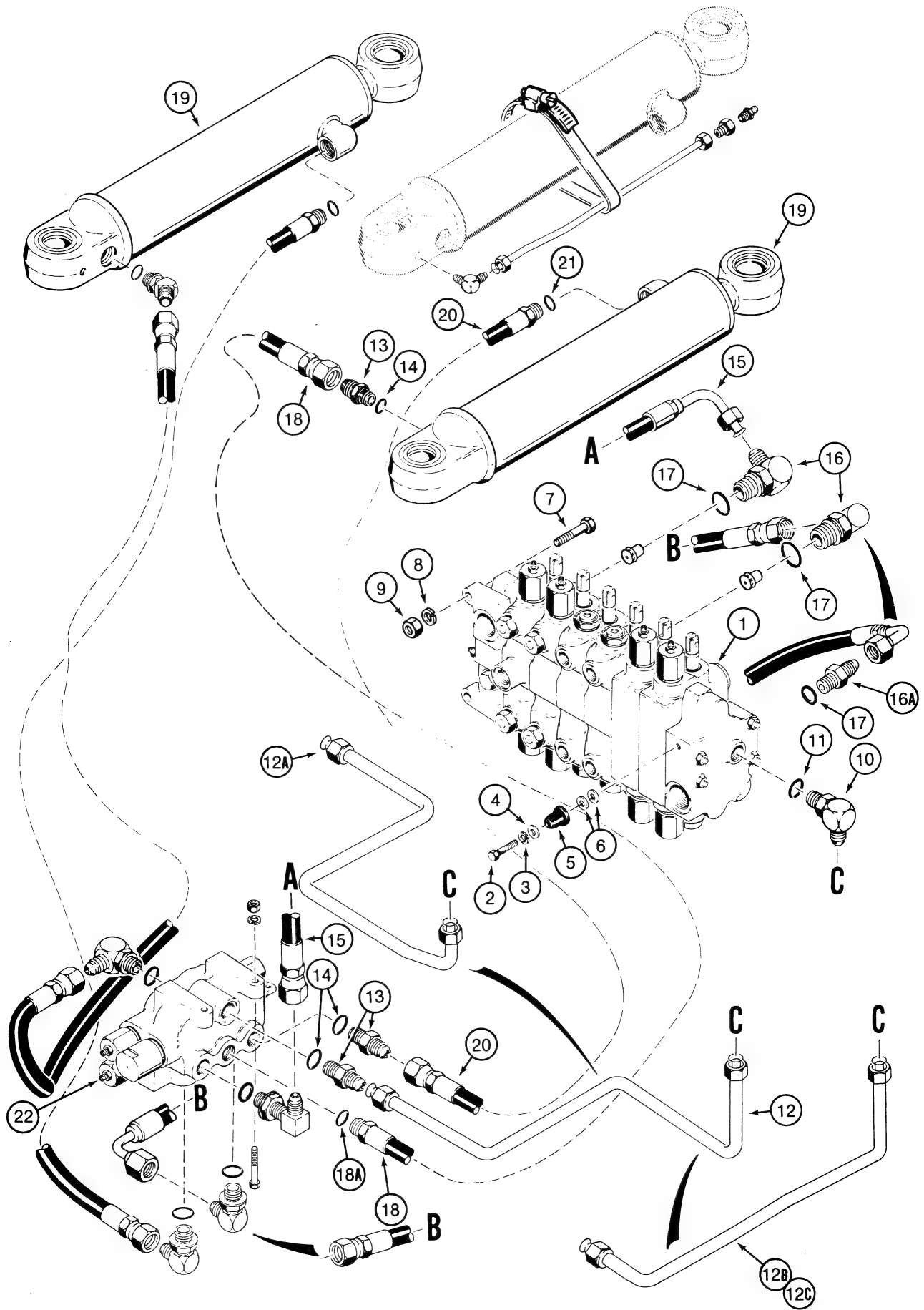
NOTE: To complete the clam cylinder hydraulic circuit see page 8-21.



580 Super K Construction King Loader Backhoe
BACKHOE STABILIZER CYLINDER HYDRAULIC CIRCUIT

8-25

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see page 8-81 or 8-83.....	1
2	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	1
3	492-11038	WASHER - lock, 3/8 inch.....	1
4	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened.....	1
5	D52276	INSULATOR - rubber	1
6	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used	2
7	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	2
8	492-11050	WASHER - lock, 1/2 inch.....	2
9	425-108	NUT - hex, 1/2 inch NC	2
10	D146492	HOSE - 1140 mm long, stabilizer sections upper ports to stabilizer cylinders, closed ends	2
11	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, hose to stabilizer cylinders closed end	2
12	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
13	D150812	HOSE - 1273 mm long, stabilizer cylinders, rod end to stabilizer sections lower ports (replaces D147943)	2
14	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, stabilizer cylinder rod ends	2
15	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
16	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, stabilizer sections upper and lower ports	4
17	237-6008	O-RING - 41/64 ID x 3/32 inch wide.....	1
18	D142787	INSULATOR - rubber	2
19	214-3188	CLAMP - adj, 4-3/4 - 5-5/8 inch dia	2
20	REF	CYLINDER ASSEMBLY - right-hand stabilizer, for correct assembly and components, see page 8-123 or 8-123B	1
21	REF	CYLINDER ASSEMBLY - left-hand stabilizer, for correct assembly and components, see page 8-123 or 8-123B	1
22	413-640	BOLT - hex, 3/8 NC x 2-1/2 inch.....	2
23	D150099	PLATE - spacer, hose	2
24	D146035	SPACER - hose clamp.....	2
25	D143846	CLAMP - plastic, 5/8 inch hose.....	2
26	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	2
27	492-11038	WASHER - lock, 3/8 inch.....	2
28	425-106	NUT - hex, 3/8 inch NC	2



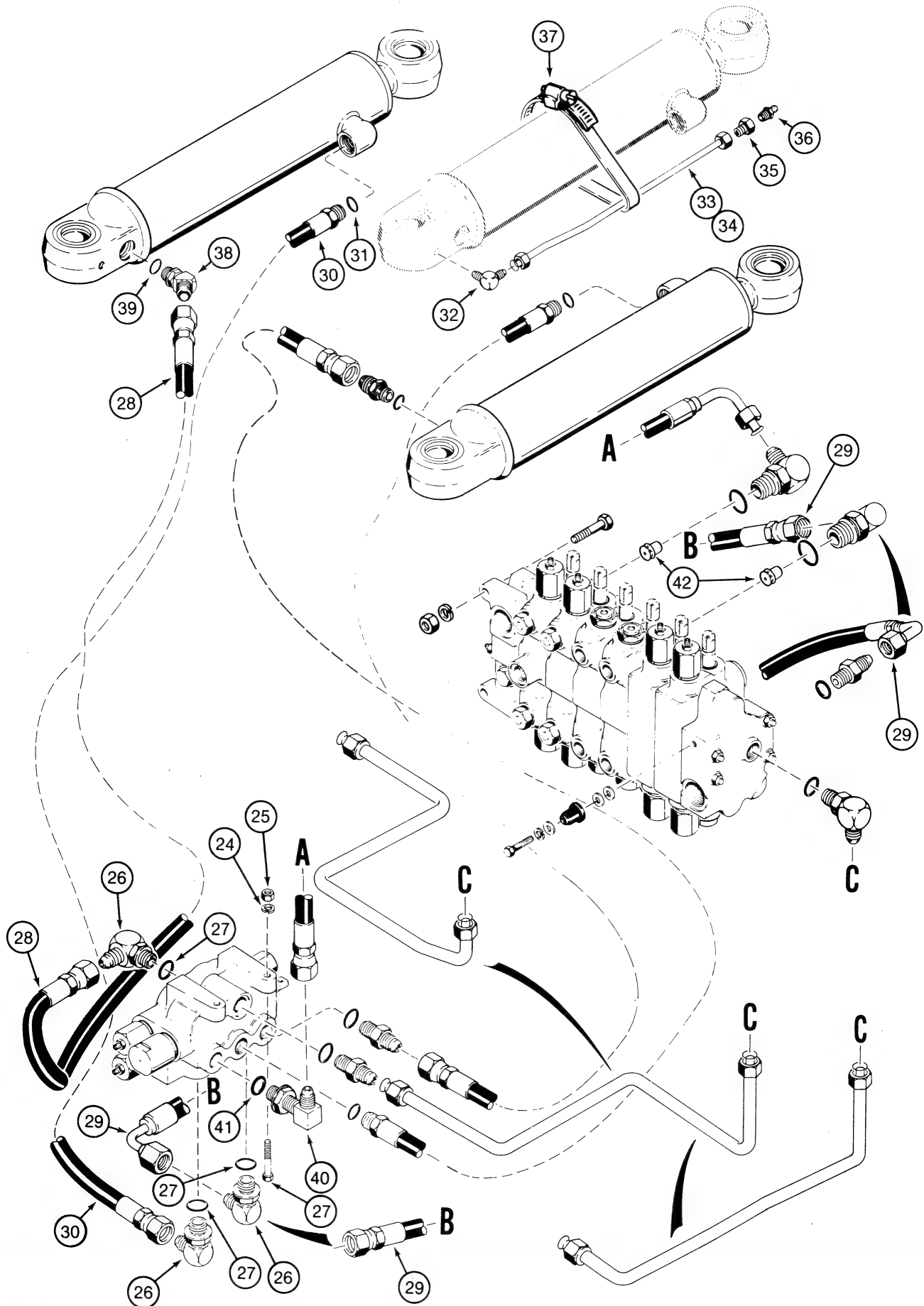
580 Super K Construction King Loader Backhoe
BACKHOE SWING CYLINDER AND
SWING SEQUENCE VALVE HYDRAULIC CIRCUIT

8-27

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see page 8-81 or 8-83.....	1
2	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	1
3	492-11038	WASHER - lock, 3/8 inch.....	1
4	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened.....	1
5	D52276	INSULATOR - rubber	1
6	495-81266	WASHER - flat, 13/32" ID x 7/8" OD x 1/16" thick, if used.....	2
7	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch.....	2
8	492-11050	WASHER - lock, 1/2 inch.....	2
9	425-108	NUT - hex, 1/2 inch NC	2
10	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss.....	1
11	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
12	D145473	TUBE - 1980440C1 swing sequence valve, drain, used on models with six spool backhoe valve, if used.....	1
12A	D145475	TUBE - 1980440C1 swing sequence valve, drain, used on models with seven spool backhoe valve and models with optional rear hydraulic attachments, if used	1
12B	D150889	TUBE - 1346067C1 swing sequence valve, drain, used on models with six spool backhoe valve, if used.....	1
12C	D150896	TUBE - 1346067C1 swing sequence valve, drain, used on models with seven spool backhoe valve and models with optional rear hydraulic attachments, if used.....	1
13	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss.....	3
14	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
15	D149547	HOSE - 550 mm long, swing section upper port to sequence valve.....	1
16	*218-5119	ELBOW - 90 degree, 7/8-14 inch flare x 1-1/16-12 inch adj O-ring....	1-2
16A	*218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, swing section lower port, if used.....	1
17	237-6012	O-RING - 59/64 ID x 7/8 inch wide, 218-5119 or 218-5063 fitting	1
18	D143685	HOSE - 633 mm long, swing sequence valve to right-hand swing cylinder closed end	1
18A	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
19	REF	CYLINDER ASSEMBLY - swing, right-hand and left-hand, for correct assembly and components, see page 8-125 - 8-127B.....	2
20	D31368	HOSE - 29-3/4 inch long, swing sequence valve to right-hand swing cylinder rod end	1
21	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1
22	REF	VALVE ASSEMBLY - swing sequence, for correct assembly and components, see page 8-101 or 8-101B.....	1

***NOTE:** If straight female end of item 29 hose is at backhoe valve lower port, use item 16 elbow; however, if elbow end of item 29 hose is at backhoe valve lower port, use item 16A adapter.

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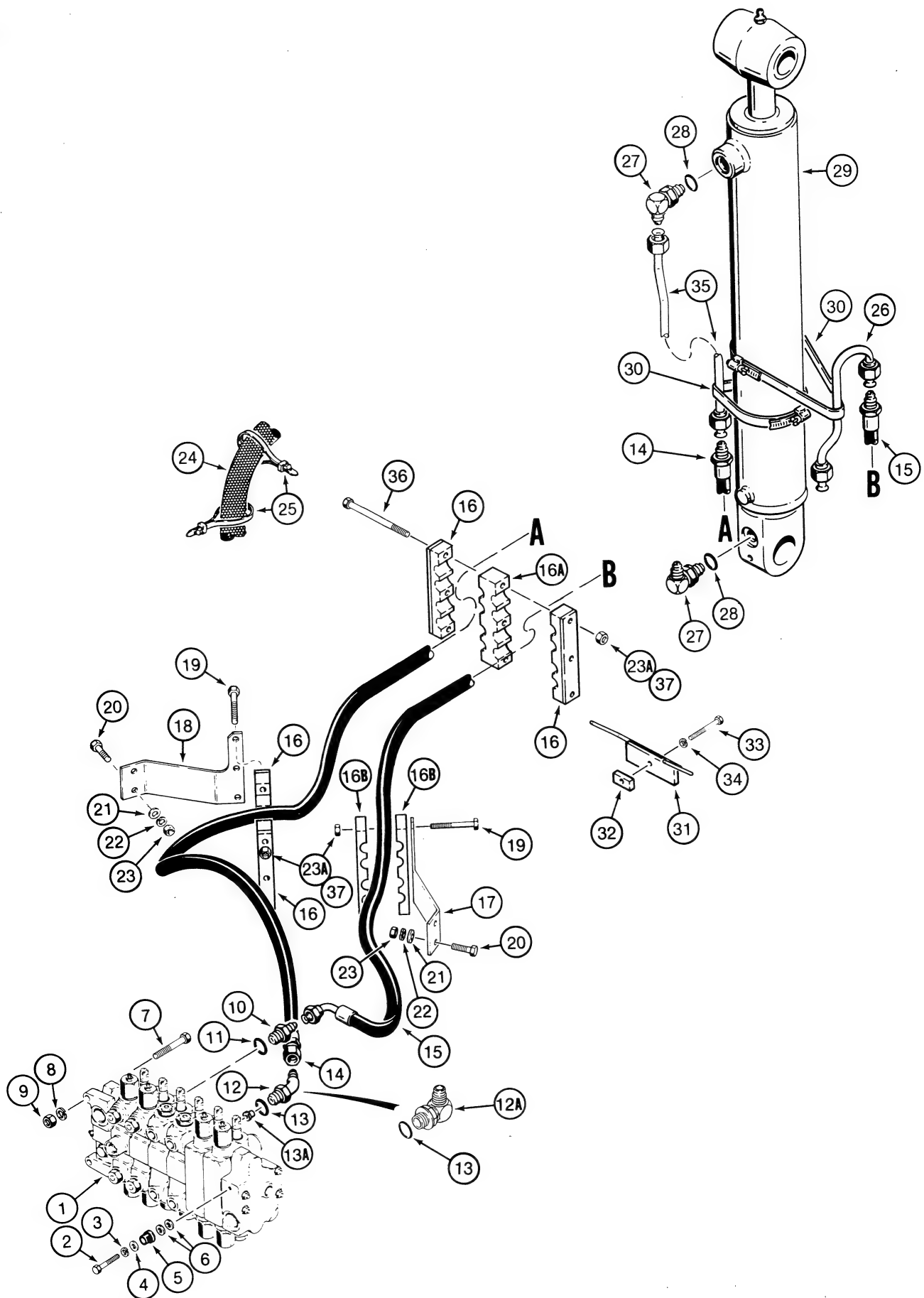


580 Super K Construction King Loader Backhoe
BACKHOE SWING CYLINDER AND
SWING SEQUENCE VALVE HYDRAULIC CIRCUIT

8-29

REF.	PART NO.	DESCRIPTION	REQD.
23	413-632	BOLT - hex, 3/8 NC x 2 inch	2
24	492-11038	WASHER - lock, 3/8 inch	2
25	425-106	NUT - hex, 3/8 inch NC	2
26	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	3
27	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
28	D146726	HOSE - 550 mm long, swing sequence valve to left-hand swing cylinder closed end	1
29	*D149547	HOSE - 550 mm long, swing section lower port to swing sequence valve lower port	1
30	D143685	HOSE - 633 mm long, swing sequence valve to left-hand swing cylinder rod end	1
31	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
32	218-481	ELBOW - 90 degree, 7/16-20 flare x 1/8 inch PT, grease tube to cylinder	2
33	D134964	TUBE - grease, left-hand swing cylinder	1
34	D134966	TUBE - grease, right-hand swing cylinder	1
35	218-461	ADAPTER - straight, 7/16-20 flare x 1/8 inch female PT, grease tube coupler	2
36	219-1	FITTING - grease, straight, 1/8 inch PT	2
37	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, grease tube	2
38	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss, left-hand swing cylinder closed end	1
39	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
40	R20894	ELBOW - 90 degree	1
41	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
42	D142394	RESTRICTOR - check, if used	2

***NOTE:** If straight female end of item 29 hose is at backhoe valve lower port, use item 16 elbow; however, if elbow end of item 29 hose is at backhoe valve lower port, use item 16A adapter.



580 Super K Construction King Loader Backhoe BACKHOE BOOM CYLINDER HYDRAULIC CIRCUIT

8-31

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components see page 8-81 or 8-83.....	1
2	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	1
3	492-11038	WASHER - lock, 3/8 inch.....	1
4	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened.....	1
5	D52276	INSULATOR - vibration	1
6	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used	2
7	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch.....	2
8	492-11050	WASHER - lock, 1/2 inch.....	2
9	425-108	NUT - hex, 1/2 inch NC	2
10	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, boom section upper port.....	1
11	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
12	218-5149	ELBOW - 45 degree, 7/8-14 flare x 1-1/16-12 inch adj O-ring, boom section lower port, if used.....	1
12A	218-5119	ELBOW - 90 degree, 7/-14 flare x 1-1/16-12 inch adj O-ring, boom section lower port, if used.....	1
13	237-6012	O-RING - 59/64 ID x 7/8 inch wide, 218-5149 or 218-5119 elbow	1
13A	D77182	RESTRICTOR - boom section lower port	1
14	D143313	HOSE - 1275 mm long, without hose sleeves, boom cylinder rod end to boom section lower port.....	1
15	D143312	HOSE - 1475 mm long, without hose sleeves, boom cylinder closed end to boom section upper port	1
16	D145309	CLAMP - hose, rubber	4
16A	D145139	CLAMP - center, hose, rubber.....	1
16B	D144881	CLAMP - hose, rubber	2
17	D145208	BRACKET - right-hand side, support, rear hose clamps.....	1
18	D145209	BRACKET - left-hand side, support, rear hose clamps	1
19	413-644	BOLT - hex, 3/8 NC x 2-3/4 inch	6
20	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	4
21	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	4
22	492-11050	WASHER - lock, 1/2 inch	4
23	425-108	NUT - hex, 1/2 inch NC	4
23A	231-1446	NUT - hex, self-locking, 3/8 inch NC.....	9
24	D134728	SLEEVE - hose guard	2
25	L18337	STRAP - tie, hose.....	4
26	*D139401	TUBE - boom cylinder closed end	1
27	218-5108	ELBOW - 90 degree, 1-1/16-12 inch flare x adj O-ring boss	2
28	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
29	REF	CYLINDER ASSEMBLY - boom, for correct assembly and components, see page 8-129 - 8-131D	1

***NOTE:** See page 8-59, items 12, 15, and 22, for tubes used on models with hydraulic boom lock.

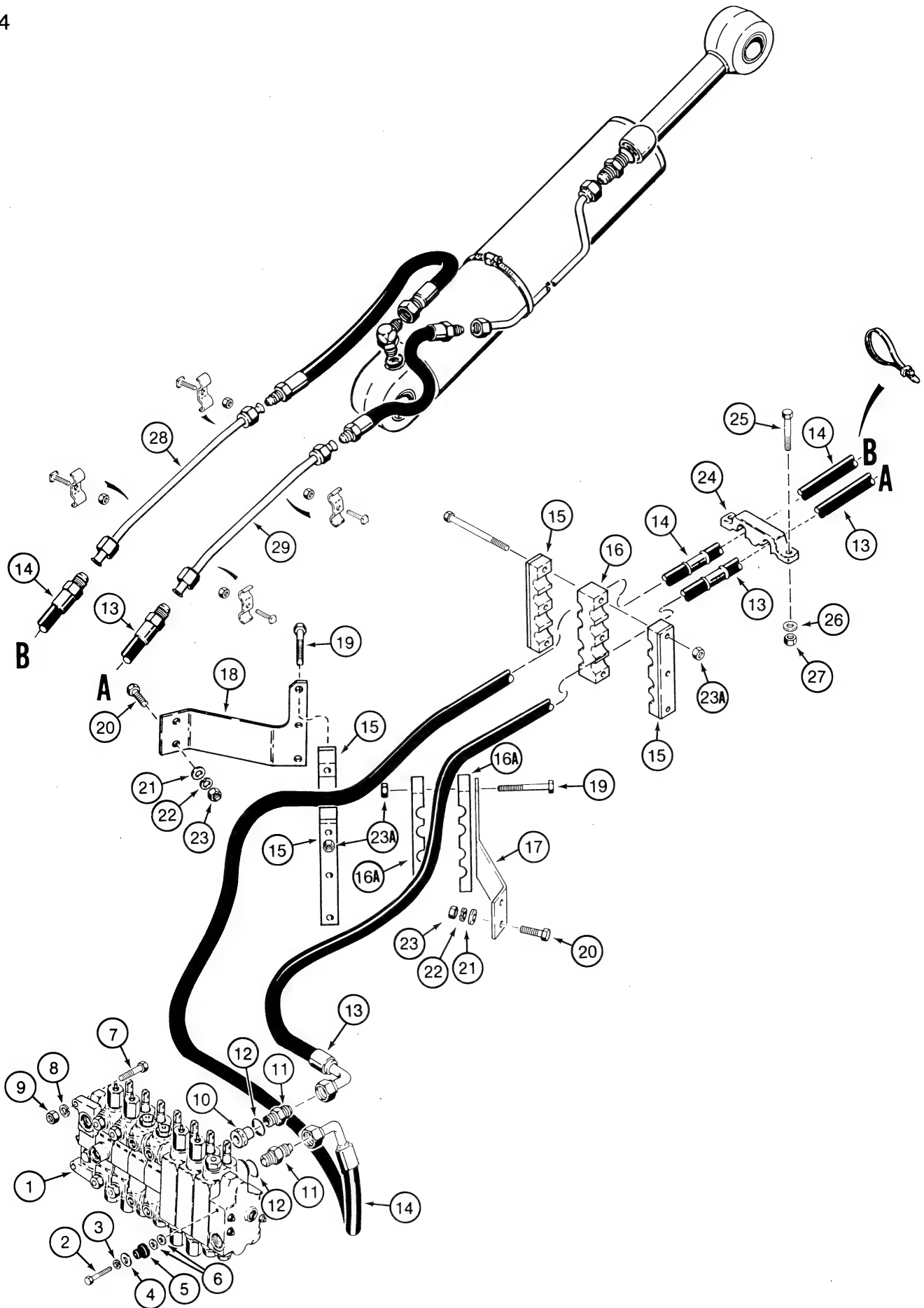
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580 Super K Construction King Loader Backhoe
BACKHOE BOOM CYLINDER HYDRAULIC CIRCUIT

8-33

REF.	PART NO.	DESCRIPTION	REQ'D.
30	214-14100	CLAMP - adj, 5-7/8 - 6-3/4 inch dia, tube to cylinder	2
31	D140105	BRACKET - hose guide	1
32	D143425	PLATE - bracket retainer	1
33	413-632	BOLT - hex, 3/8 NC x 2 inch	1
34	492-11038	WASHER - lock, 3/8 inch	1
35	*D141614	TUBE - at boom cylinder rod end	1
36	413-672	BOLT - hex, 3/8 NC x 4-1/2 inch	3
37	131-203	NUT - light hex, self-locking, 3/8 inch NC, models with backhoe boom lock.....	3

***NOTE:** See page 8-59, items 12, 15, and 22, for tubes used on models with hydraulic boom lock.

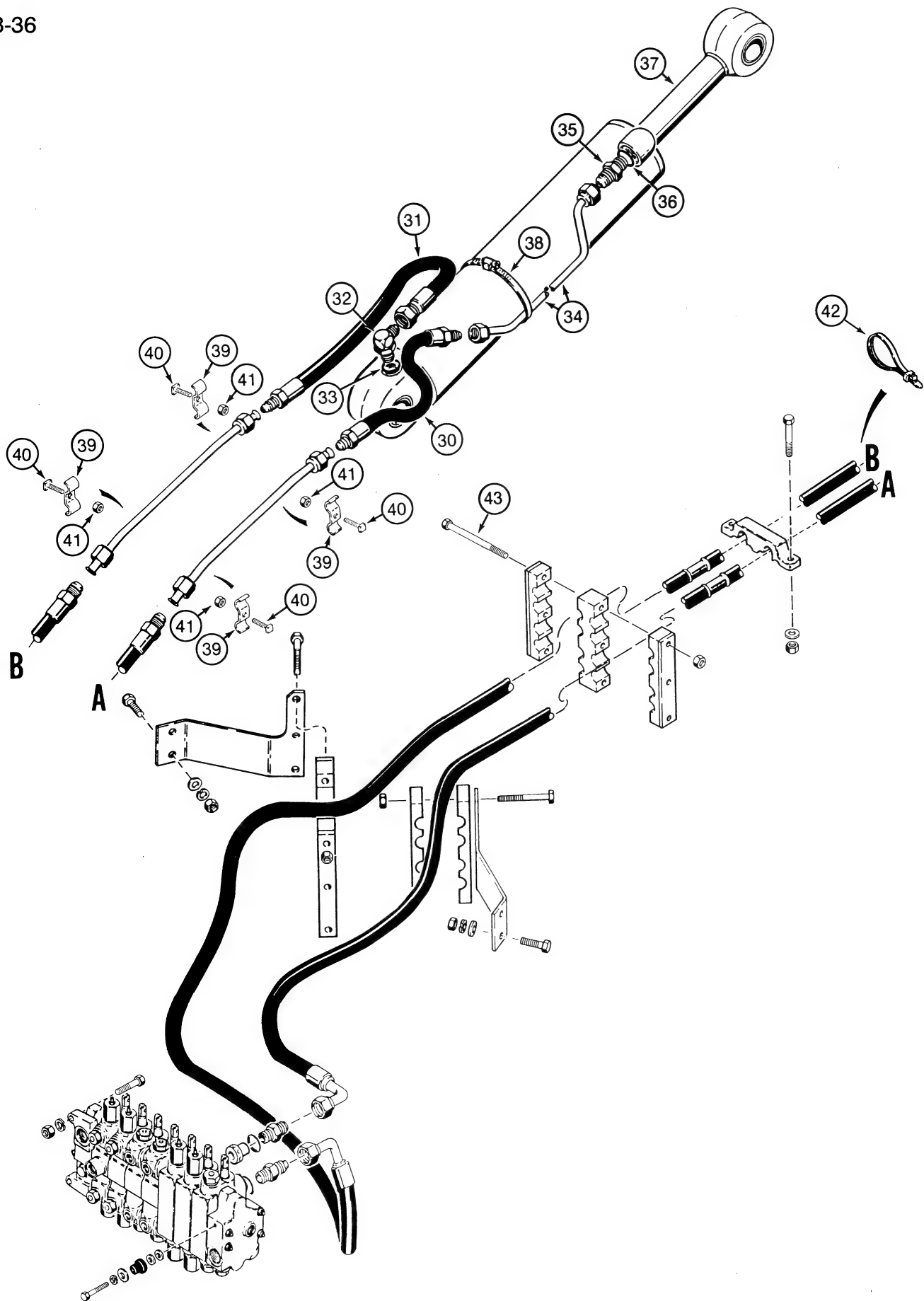


580 Super K Construction King Loader Backhoe
BACKHOE DIPPER CYLINDER HYDRAULIC CIRCUIT

8-35

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see page 8-81 or 8-83.....	1
2	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	1
3	492-11038	WASHER - lock, 3/8 inch.....	1
4	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened.....	1
5	D52276	INSULATOR - vibration	1
6	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used	2
7	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch.....	2
8	492-11050	WASHER - lock, 1/2 inch.....	2
9	425-108	NUT - hex, 1/2 inch NC	2
10	D140183	RESTRICTOR - dipper section upper port	1
11	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, dipper section upper and lower ports	2
12	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
13	D143315	HOSE - 1400 mm long, includes one hose sleeve, dipper section upper port.....	1
14	D143316	HOSE - 1450 mm long, includes one hose sleeve, dipper section lower port.....	1
15	D145309	CLAMP - hose, rubber	4
16	D145139	CLAMP - center, rubber, hose.....	1
16A	D144881	CLAMP - hose, rubber	2
17	D145208	BRACKET - right-hand side, support, rear hose clamps.....	1
18	D145209	BRACKET - left-hand side, support, rear hose clamps	1
19	413-644	BOLT - hex, 3/8 NC x 2-3/4 inch.....	6
20	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch.....	4
21	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	4
22	492-11050	WASHER - lock, 1/2 inch.....	4
23	425-108	NUT - hex, 1/2 inch NC	4
23A	231-1446	NUT - hex, self-locking, 3/8 inch NC.....	9
24	D127250	CLAMP - hose, mounts to swing tower.....	1
25	413-748	BOLT - hex, 7/16 NC x 3 inch	2
26	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	2
27	131-51	NUT - hex, self-locking, 7/16 inch NC.....	2
28	D139901	TUBE - left-hand side of boom, from dipper section lower port hose	1
29	D139903	TUBE - right-hand side of boom, from dipper section upper port hose	1

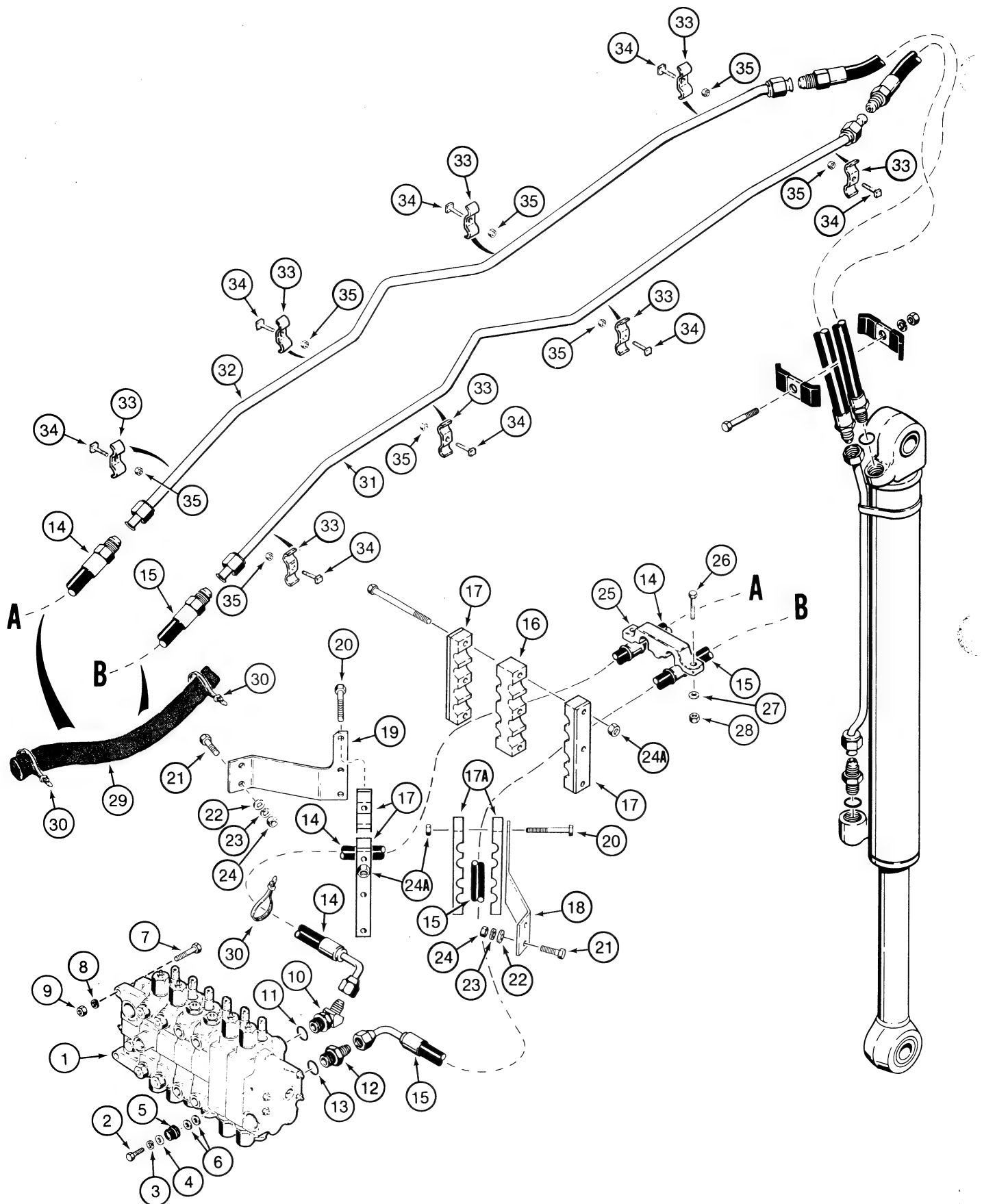
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580 Super K Construction King Loader Backhoe
BACKHOE DIPPER CYLINDER HYDRAULIC CIRCUIT

8-37

REF.	PART NO.	DESCRIPTION	REQD.
30	D127687	HOSE - 400 mm long, at dipper cylinder rod end tube	1
31	D140157	HOSE - 750 mm long, dipper cylinder closed end.....	1
32	218-5108	ELBOW - 90 degree, 1-1/16-12 inch flare x adj O-ring boss, dipper cylinder closed end	1
33	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
34	D139898	TUBE - dipper cylinder rod end.....	1
35	218-5064	ADAPTER - straight, 1-1/16-12 inch flare x O-ring boss, dipper cylinder rod end.....	1
36	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
37	REF	CYLINDER ASSEMBLY - dipper, for correct assembly and components, see page 8-133 - 8-135D	1
38	214-1488	CLAMP - adj, 5-1/8 - 6 inch dia, tube to cylinder	1
39	D149143	CLAMP - tube to boom.....	4
40	117-208	BOLT - square, 3/8 NC x 1 inch, grade 8	4
41	231-4116	NUT - hex, self-locking, 3/8 inch NC (replaces 131-666)	4
42	L18337	STRAP - tie.....	1
43	413-672	BOLT - hex, 3/8 NC x 4-1/2 inch	3

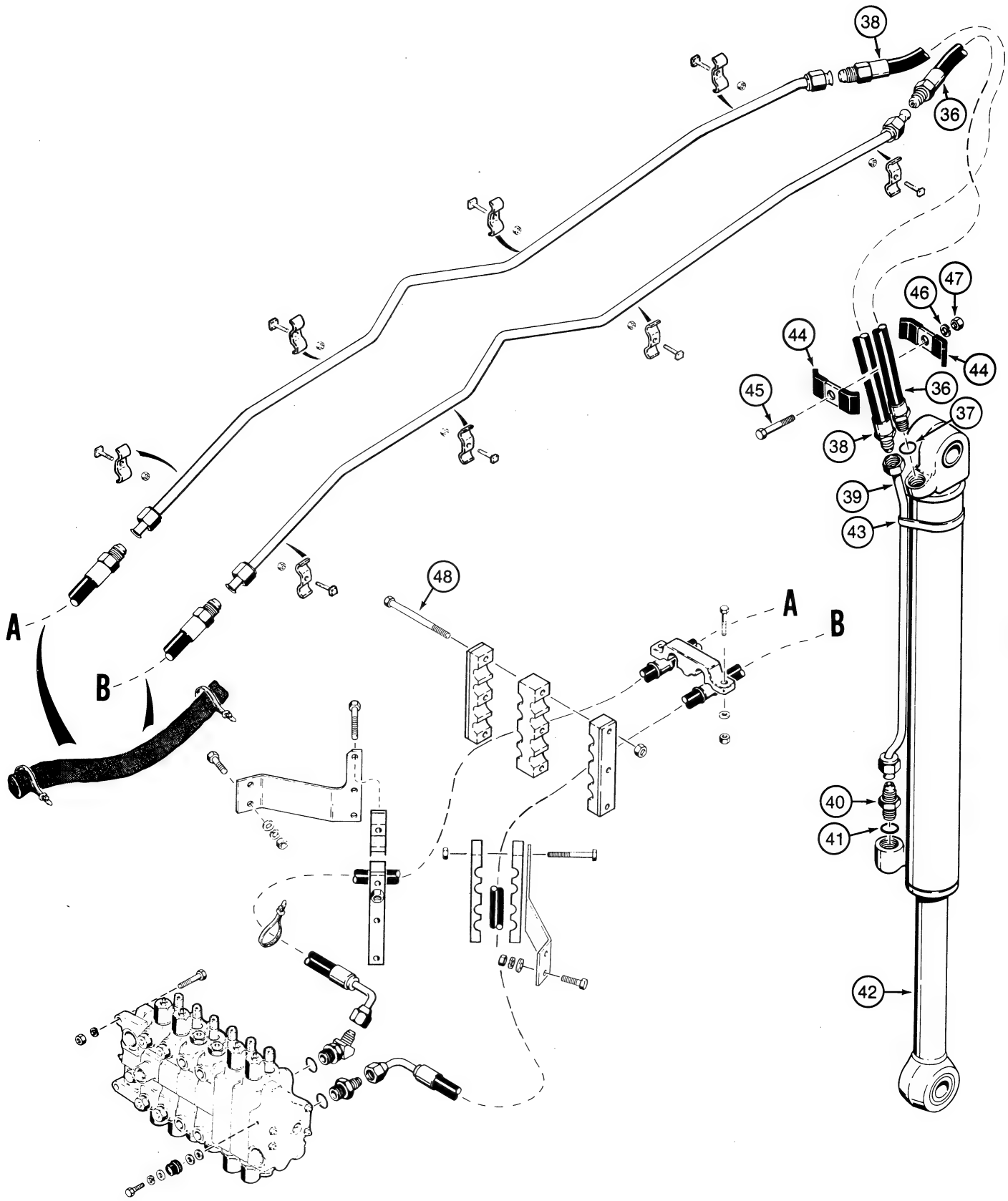


580 Super K Construction King Loader Backhoe
BACKHOE BUCKET CYLINDER HYDRAULIC CIRCUIT
MODELS WITHOUT EXTENDABLE DIPPER

8-39

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components see page 8-81	1
2	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
3	492-11038	WASHER - lock, 3/8 inch	1
4	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened	1
5	D52276	INSULATOR - vibration	1
6	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used	2
7	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	2
8	492-11050	WASHER - lock, 1/2 inch	2
9	425-108	NUT - hex, 1/2 inch NC	2
10	218-5149	ELBOW - 45 degree, 7/8-14 flare x 1-1/16-12 inch adj O-ring, bucket section upper port	1
11	237-6012	O-RING - 59/64 ID x 7/8 inch wide	1
12	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, bucket section lower port	1
13	237-6012	O-RING - 59/64 ID x 7/8 inch wide	1
14	D143310	HOSE - 1900 mm long, bucket section upper port	1
15	D143311	HOSE - 1525 mm long, bucket section lower port	1
16	D145139	CLAMP - center, rubber	1
17	D145309	CLAMP - hose, rubber	4
17A	D144881	CLAMP - hose, rubber	2
18	D145208	BRACKET - right-hand side, support, rear hose clamps	1
19	D145209	BRACKET - left-hand side, support, rear hose clamps	1
20	413-644	BOLT - hex, 3/8 NC x 2-3/4 inch	6
21	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	4
22	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	4
23	492-11050	WASHER - lock, 1/2 inch	4
24	425-108	NUT - hex, 1/2 inch NC	4
24A	231-1446	NUT - hex, self-locking, 3/8 inch NC	9
25	D127250	CLAMP - hose, mounts to swing tower	1
26	413-748	BOLT - hex, 7/16 NC x 3 inch	2
27	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	2
28	131-51	NUT - hex, self-locking, 7/16 inch NC	2
29	D132054	SLEEVE - hose guard, 500 mm long, cut to required length from D134728 bulk sleeve	2
30	L18337	STRAP - tie, hose	5
31	D140156	TUBE - right-hand side of boom, to bucket cylinder closed end hose	1
32	D140154	TUBE - left-hand side of boom, to bucket cylinder rod end hose	1
33	D149143	CLAMP - tube to boom	8
34	117-208	BOLT - square, 3/8 NC x 1 inch, grade 8	8
35	231-4116	NUT - hex, self-locking, 3/8 inch NC (replaces 131-666)	8
	D134728	SLEEVE - 725 mm long, bulk	1

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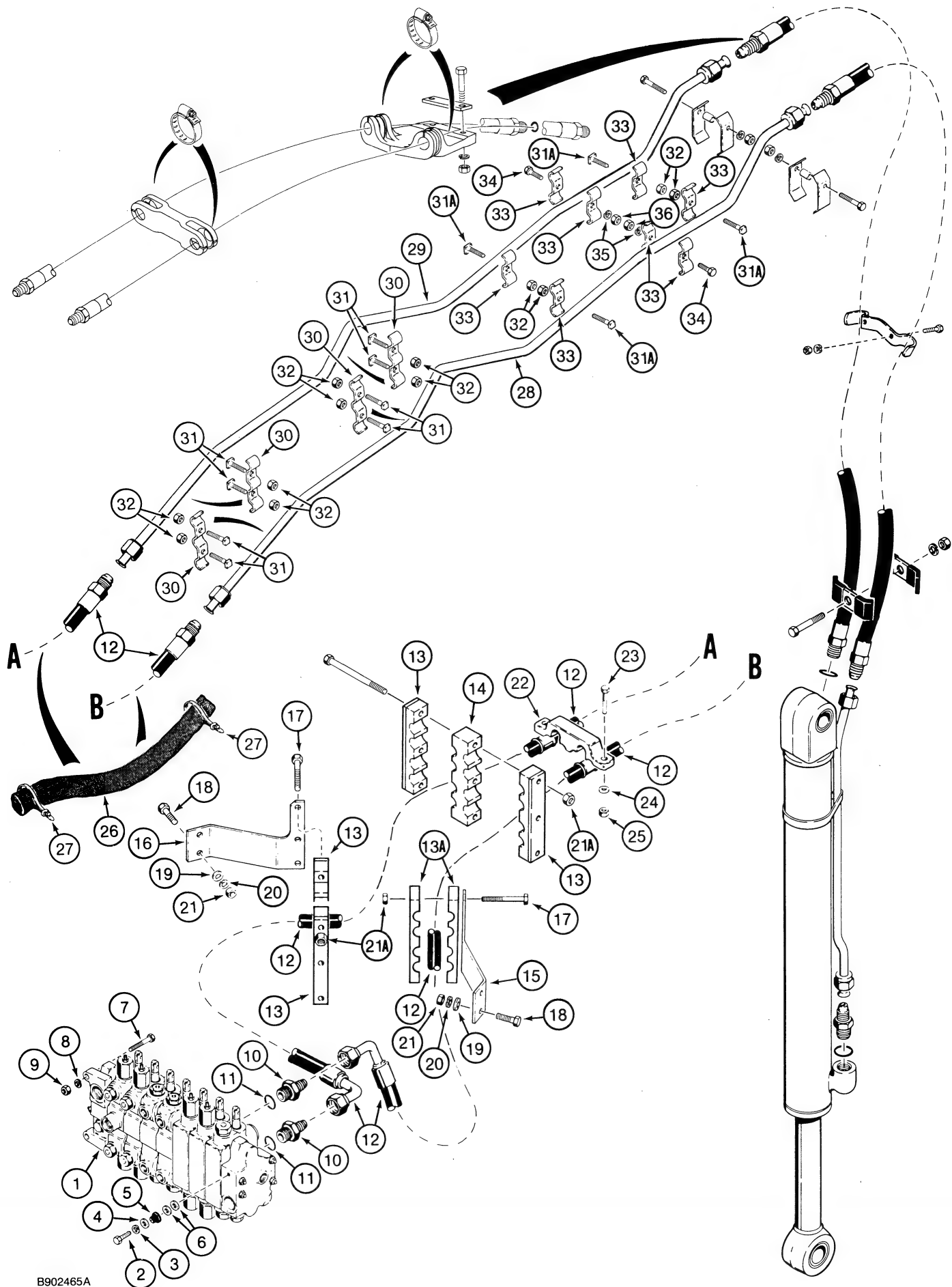


580 Super K Construction King Loader Backhoe
BACKHOE BUCKET CYLINDER HYDRAULIC CIRCUIT
MODELS WITHOUT EXTENDABLE DIPPER

8-41

REF.	PART NO.	DESCRIPTION	REQ'D.
36	*D136489	HOSE - 640 mm long, to closed end of bucket cylinder	1
37	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
38	*D136488	HOSE - 640 mm long, to bucket cylinder rod end tube.....	1
39	D141248	TUBE - to rod end of bucket cylinder	1
40	218-5064	CONNECTOR - straight, 1-1/16-12 inch flare x O-ring boss, at rod end of bucket cylinder	1
41	237-6012	O-RING - 59/64 ID x 7/8 inch wide.....	1
42	REF	CYLINDER ASSEMBLY - bucket, for correct assembly and components, see page 8-137 - 8-139D	1
43	214-1472	CLAMP - adj, 4-1/16 - 5 inch dia, tube to cylinder	1
44	D40236	CLAMP - hose.....	2
45	413-636	BOLT - hex, 3/8 NC x 2-1/4 inch.....	1
46	492-11038	WASHER - lock, 3/8 inch.....	1
47	425-106	NUT - hex, 3/8 inch NC	1
48	413-672	BOLT - hex, 3/8 NC x 4-1/2 inch.....	3

***NOTE:** For hoses used on models with auxiliary hydraulics for optional rear hydraulic attachments, see page 8-49.

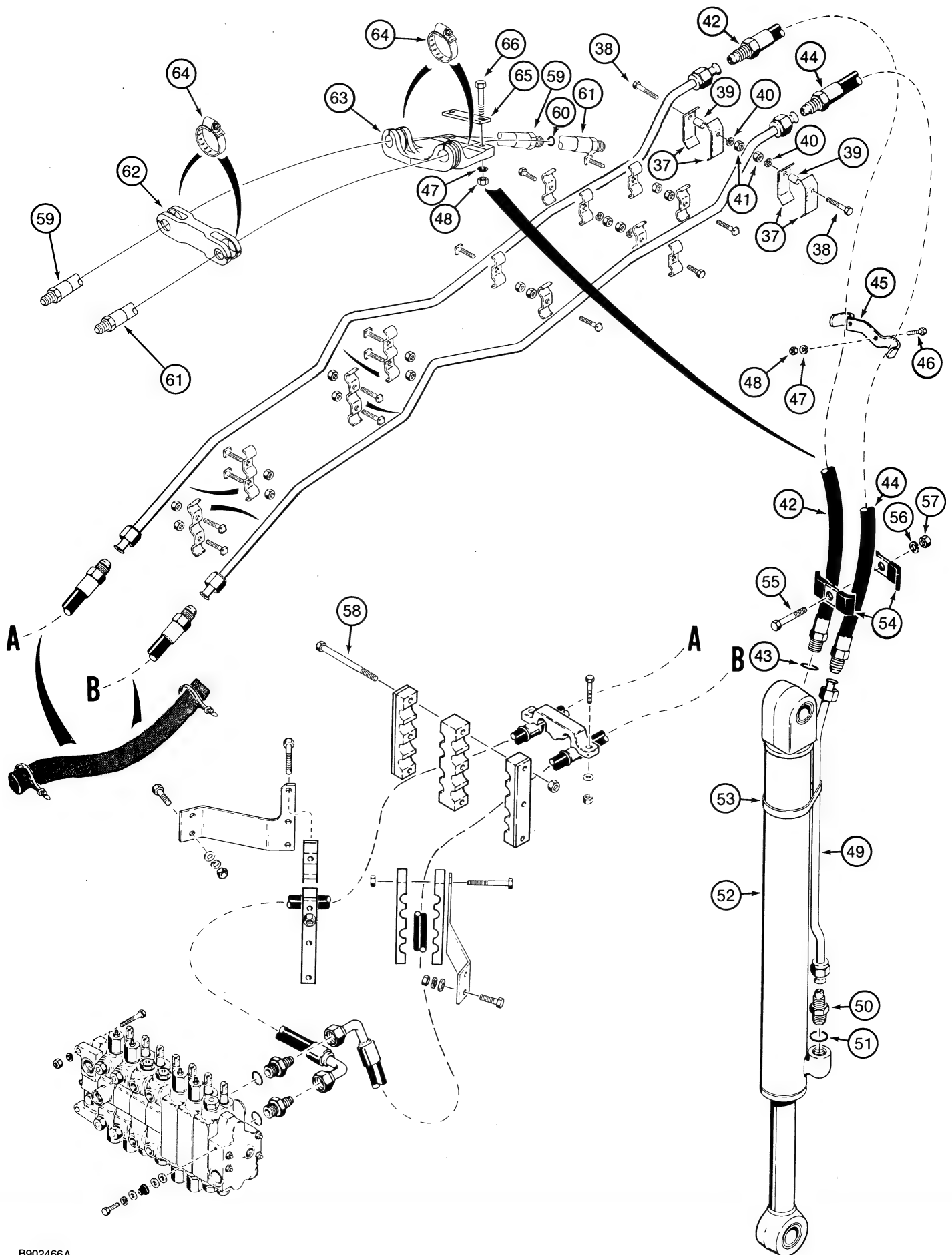


580 Super K Construction King Loader Backhoe
BACKHOE BUCKET CYLINDER HYDRAULIC CIRCUIT
MODELS WITH EXTENDABLE DIPPER

8-43

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components see page 8-83	1
2	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
3	492-11038	WASHER - lock, 3/8 inch	1
4	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened	1
5	D52276	INSULATOR - vibration	1
6	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used	2
7	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	2
8	492-11050	WASHER - lock, 1/2 inch	2
9	425-108	NUT - hex, 1/2 inch NC	2
10	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, bucket section	2
11	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
12	D143311	HOSE - 1525 mm long, includes one metal hose sleeve, at backhoe valve bucket section	2
13	D145309	CLAMP - hose, rubber	4
13A	D144881	CLAMP - hose, rubber	2
14	D145139	CLAMP - center, rubber	1
15	D145208	BRACKET - right-hand side, support, rear hose clamps	1
16	D145209	BRACKET - left-hand side, support, rear hose clamps	1
17	413-644	BOLT - hex, 3/8 NC x 2-3/4 inch	6
18	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	4
19	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	4
20	492-11050	WASHER - lock, 1/2 inch	4
21	425-108	NUT - hex, 1/2 inch NC	4
21A	231-1446	NUT - hex, self-locking, 3/8 inch NC	9
22	D127250	CLAMP - hose, mounts to swing tower	1
23	413-748	BOLT - hex, 7/16 NC x 3 inch	2
24	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	2
25	131-51	NUT - hex, self-locking, 7/16 inch NC	2
26	D132054	SLEEVE - hose guard, 500 mm long, cut to required length from D134728 bulk sleeve	2
27	L18337	STRAP - tie, hose	4
28	D138057	TUBE - right-hand side of boom, to bucket cylinder rod end hose	1
29	D138059	TUBE - left-hand side of boom, to bucket cylinder closed end hose	1
30	D149144	CLAMP - tube to boom	4
31	117-209	BOLT - square, 3/8 NC x 1-1/4 inch, grade 8 (replaces 117-208 1 inch bolt)	8
31A	117-208	BOLT - square, 3/8 NC x 1 inch, grade 8	4
32	231-4116	NUT - hex, self-locking, 3/8 inch NC	12
33	D149143	CLAMP - tube to boom	8
34	413-624	BOLT - hex head, 3/8 NC x 1-1/2 inch	2
35	492-11038	WASHER - lock, 3/8 inch	2
36	425-106	NUT - hex, 3/8 inch NC	2
	D134728	SLEEVE - 725 mm long, bulk	1

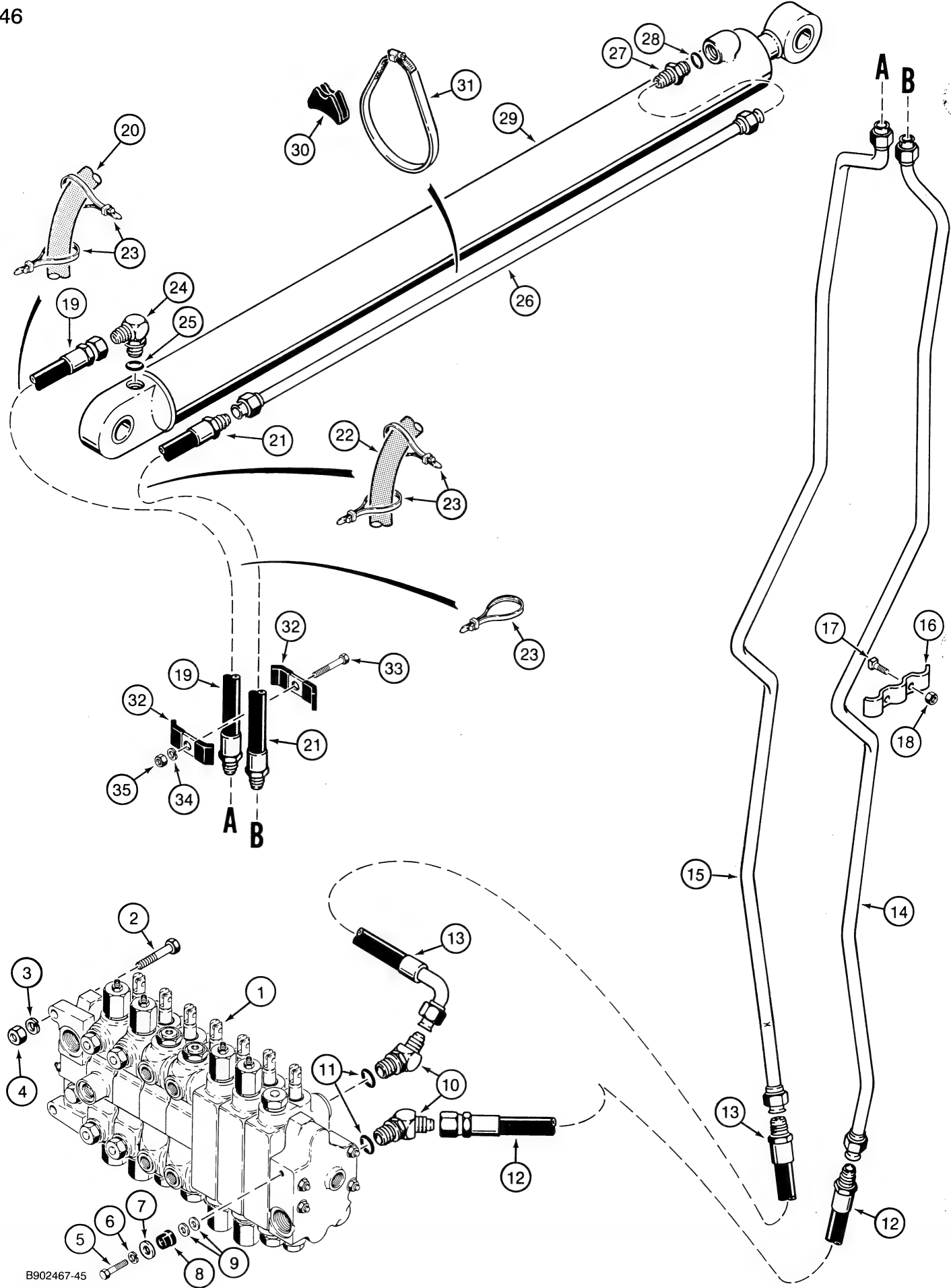
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580 Super K Construction King Loader Backhoe
BACKHOE BUCKET CYLINDER HYDRAULIC CIRCUIT
MODELS WITH EXTENDABLE DIPPER

8-45

REF.	PART NO.	DESCRIPTION	REQD.
37	D143426	CLAMP - bucket tube to boom, plated	4
38	413-636	BOLT - hex, 3/8 NC x 2-1/4 inch	2
39	D143412	SPACER - tube clamp, plated	2
40	492-11038	WASHER - lock, 3/8 inch	2
41	425-106	NUT - hex, 3/8 inch NC	2
42	D143895	HOSE - 2027 mm long, to closed end of bucket cylinder, used with metal clamps (item 45), if used	1
43	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
44	D143894	HOSE - 2057 mm long, to bucket cylinder rod end tube, used with metal clamps (item 45), if used	1
45	D140221	CLAMP - hose to dipper, if used	1
46	413-616	BOLT - hex, 3/8 NC x 1 inch, if used	2
47	492-11038	WASHER - lock, 3/8 inch	2
48	425-106	NUT - hex, 3/8 inch NC	2
49	D141248	TUBE - to rod end of bucket cylinder	1
50	218-5064	ADAPTER - straight, 1-1/16-12 inch flare x O-ring boss, at rod end of bucket cylinder	1
51	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
52	REF	CYLINDER ASSEMBLY - bucket, for correct assembly and components, see page 8-137 - 8-139D	1
53	214-1472	CLAMP - adj, 4-1/16 - 5 inch dia, tube to cylinder	1
54	D40236	CLAMP - hose	2
55	413-636	BOLT - hex, 3/8 NC x 2-1/4 inch	1
56	492-11038	WASHER - lock, 3/8 inch	1
57	425-106	NUT - hex, 3/8 inch NC	1
58	413-672	BOLT - hex, 3/8 NC x 4-1/2 inch	3
59	108336A1	HOSE - 1930 mm long, to closed end of bucket cylinder, used with rubber clamp (item 62), if used	1
60	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
61	108335A1	HOSE - 1960 mm long, to bucket cylinder rod end tube, used with rubber clamp (item 62), if used	1
62	103670A1	CLAMP - hose, rubber, if used	1
63	103270A1	SUPPORT - hose, if used	1
64	214-3132	CLAMP - hose, if used	4
65	101479A1	PLATE - hose support, if used	1
66	413-628	BOLT - hex, 3/8 NC x 1-3/4 inch, if used	2

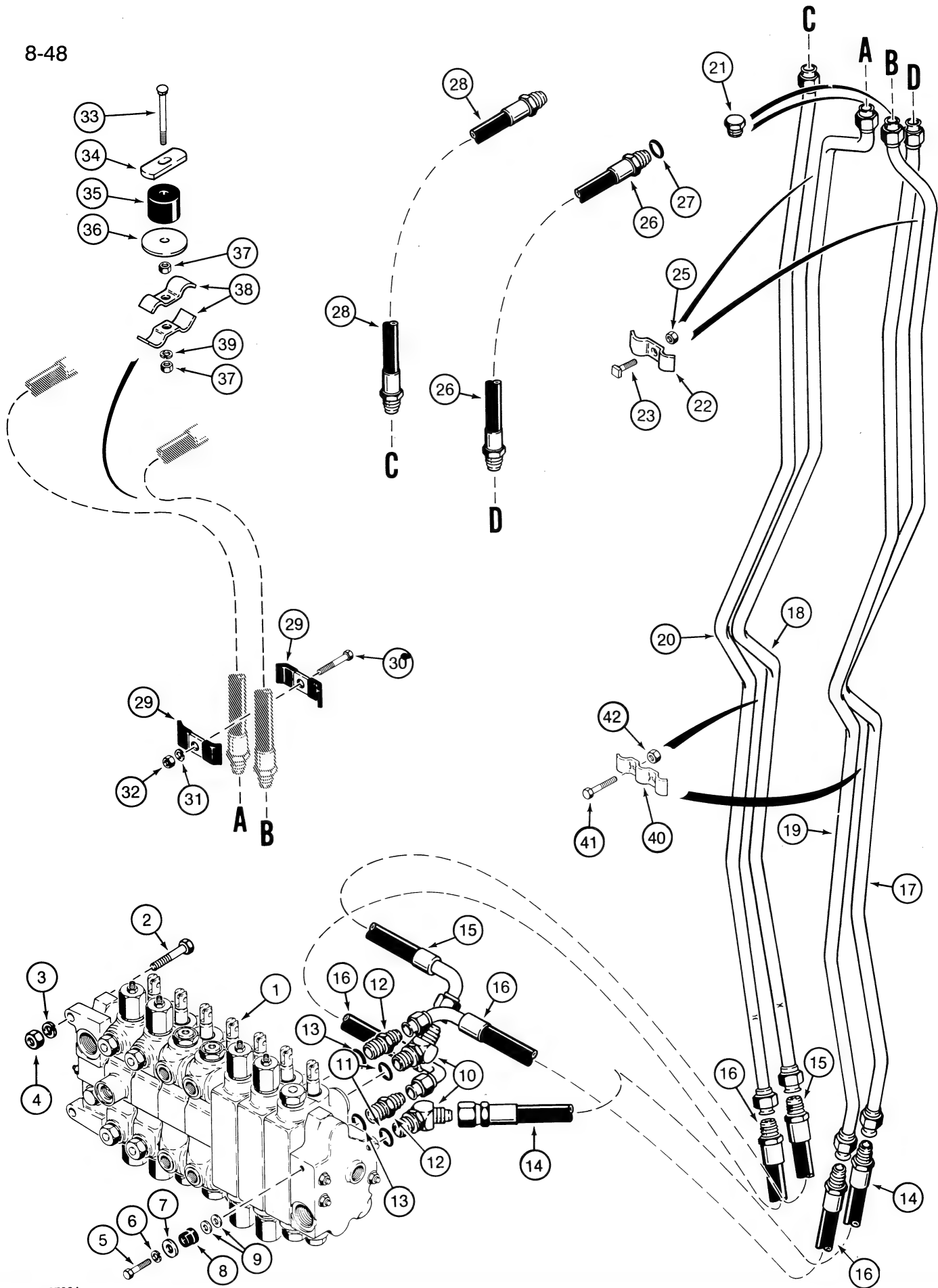


580 Super K Construction King Loader Backhoe BACKHOE EXTENDABLE DIPPER HYDRAULIC CIRCUIT

8-47

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	VALVE ASSEMBLY - backhoe control, extendahoe, for correct assembly and components see page 8-83	1
2	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch	2
3	492-11050	WASHER - lock, 1/2 inch	2
4	425-108	NUT - hex, 1/2 inch NC	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	492-11038	WASHER - lock, 3/8 inch	1
7	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened	1
8	D52276	INSULATOR - vibration	1
9	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used	2
10	218-5149	ELBOW - 45 degree, 7/8-14 flare x 1-1/16-12 inch adj O-ring, extendable dipper section upper and lower ports	2
11	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
12	D143317	HOSE - 1350 mm long, includes one metal hose sleeve, extendahoe section lower port to boom extendable dipper right-hand tube	1
13	D143310	HOSE - 1900 mm long, includes one metal hose sleeve, extendahoe section upper port to boom extendable dipper left-hand tube	1
14	*D147791	TUBE - right-hand side of boom, to extendable dipper cylinder rod end hose	1
15	*D147789	TUBE - left-hand side of boom, to extendable dipper cylinder closed end hose	1
16	D149144	CLAMP - boom tubes, plated	4
17	117-209	BOLT - square head, 3/8 NC x 1-1/4 inch, grade 8	8
18	231-4116	NUT - hex, self-locking, 3/8 inch NC	8
19	D134095	HOSE - 700 mm long, extendable dipper cylinder closed end	1
20	D134729	SLEEVE - hose guard, 625 mm long, cylinder closed end hose, cut to required length from D134728 bulk sleeve	1
21	D140708	HOSE - 850 mm long, extendable dipper cylinder rod end	1
22	D134728	SLEEVE - hose guard, 725 mm long, cylinder rod end hose	1
23	L18337	STRAP - nylon, retaining	5
24	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, cylinder closed end	1
25	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
26	D140706	TUBE - extendable dipper cylinder rod end	1
27	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss	1
28	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
29	1340969C1	CYLINDER ASSEMBLY - extendable dipper, parts list page 8-141	1
30	D38648	INSULATOR - rubber	1
31	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, tube to cylinder	1
32	D40236	CLAMP - hose	2
33	413-632	BOLT - hex, 3/8 NC x 2 inch	1
34	492-11038	WASHER - lock, 3/8 inch	1
35	425-106	NUT - hex, 3/8 inch NC	1
	D134728	SLEEVE - 725 mm long, bulk	1

***NOTE:** For tubes used on models with auxiliary hydraulics for optional rear attachments, see page 8-53.



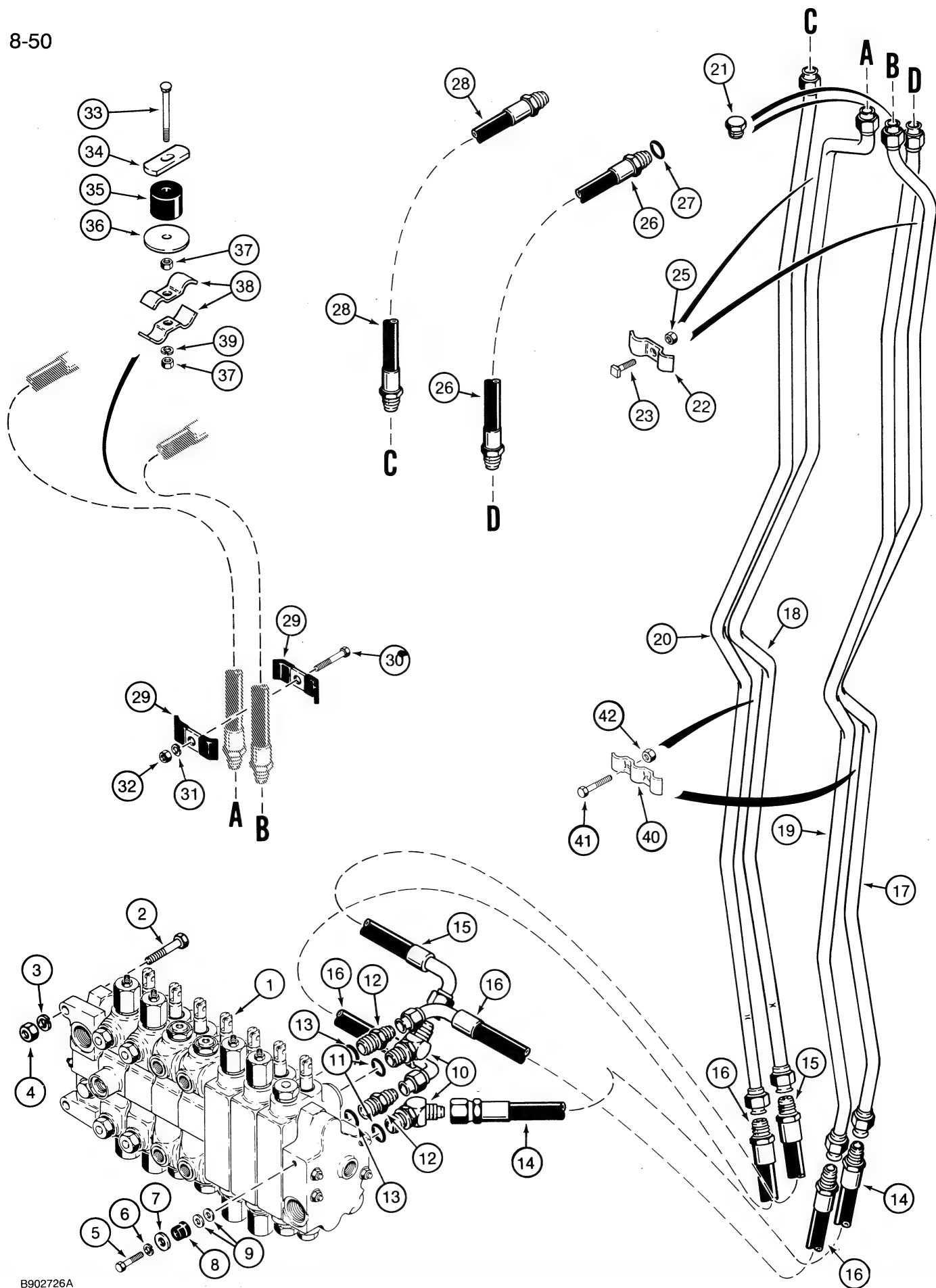
580 Super K Construction King Loader Backhoe
BACKHOE AUXILIARY HYDRAULIC CIRCUIT
FOR OPTIONAL REAR HYDRAULIC ATTACHMENTS
WITHOUT EXTENDABLE DIPPER

8-49

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, 7-spool, for correct assembly and components see page 8-83, models with extendable dipper or auxiliary hydraulics.....	1
2	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch.....	2
3	492-11050	WASHER - lock, 1/2 inch.....	2
4	425-108	NUT - hex, 1/2 inch NC.....	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	1
6	492-11038	WASHER - lock, 3/8 inch.....	1
7	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened.....	1
8	D52276	INSULATOR - vibration.....	1
9	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used.....	2
10	218-5149	ELBOW - 45 degree, 7/8-14 flare x 1-1/16-12 inch adj O-ring, auxiliary section upper and lower ports.....	2
11	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
12	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, bucket section upper and lower ports.....	2
13	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
14	D143317	HOSE - 1350 mm long, includes one metal hose sleeve, auxiliary section lower port to boom auxiliary right-hand tube.....	1
15	D143310	HOSE - 1900 mm long, includes one metal hose sleeve, auxiliary section upper port to boom auxiliary left-hand tube.....	1
16	D143311	HOSE - 1525 mm long, includes one metal hose sleeve, bucket section upper and lower ports.....	2
17	*D147791	TUBE - right-hand side of boom to rear attachment hose.....	1
18	*D147789	TUBE - left-hand side of boom to rear attachment hose.....	1
19	D140156	TUBE - right-hand side of boom to bucket cylinder closed end hose...	1
20	D140154	TUBE - left-hand side of boom to bucket cylinder rod end hose.....	1
21	218-777	PLUG - hex, 1-1/16-12 inch flare, tube, not required when rear attachment hoses are installed.....	2
22	D149143	CLAMP - boom tubes.....	2
23	117-208	BOLT - square head, 3/8 NC x 1 inch, grade 8.....	2
25	231-4116	NUT - hex, self-locking, 3/8 inch NC.....	2
26	D140303	HOSE - 875 mm long, to closed end of bucket cylinder.....	1
27	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
28	D140302	HOSE - 875 mm long, to rod end of bucket cylinder.....	1
29	D143846	CLAMP - hose.....	2
30	413-632	BOLT - hex, 3/8 NC x 2 inch.....	1
31	492-11038	WASHER - lock, 3/8 inch.....	1
32	425-106	NUT - hex, 3/8 inch NC.....	1

***NOTE:** Connecting hoses at dipper shall be supplied by the customer for use with their particular optional rear hydraulic attachment.

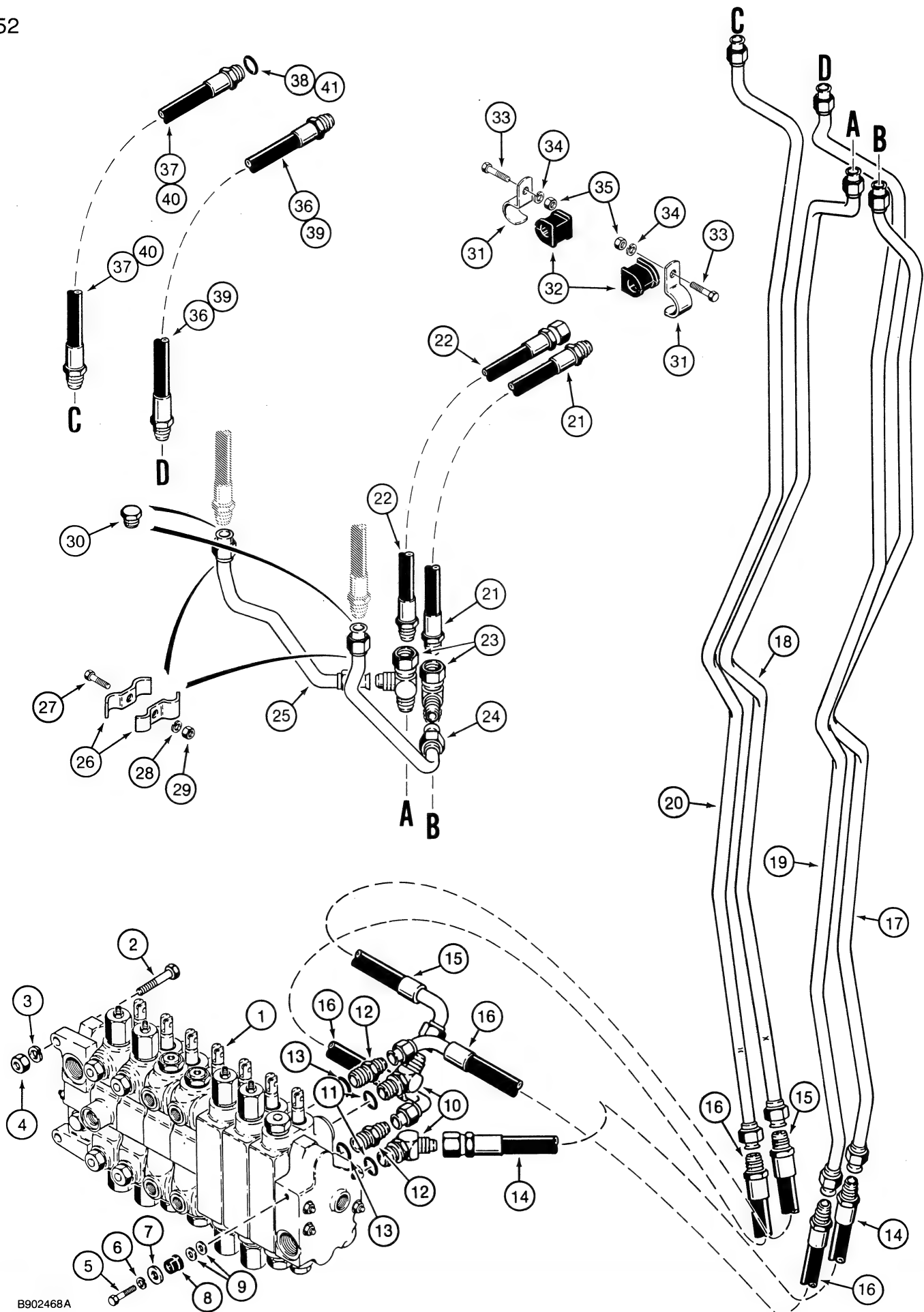
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580 Super K Construction King Loader Backhoe
BACKHOE AUXILIARY HYDRAULIC CIRCUIT
FOR OPTIONAL REAR HYDRAULIC ATTACHMENTS
WITHOUT EXTENDABLE DIPPER

8-51

REF.	PART NO.	DESCRIPTION	REQ'D.
33	111-380	BOLT - round head square neck, 3/8 NC x 3-1/2 inch, full thread	1
34	D140188	PLATE - anchor, mounts hoses to underside of dipper frame.....	1
35	D140187	SPACER - hose.....	1
36	D140189	WASHER - special	1
37	425-106	NUT - hex, 3/8 inch NC	2
38	D149143	CLAMP - hose.....	2
39	492-11038	WASHER - lock, 3/8 inch.....	1
40	D149144	CLAMP - tube.....	4
41	117-209	BOLT - square head, 3/8 NC x 1-1/4 inch, grade 8	8
42	231-4116	NUT - hex, self-locking, 3/8 inch NC.....	8



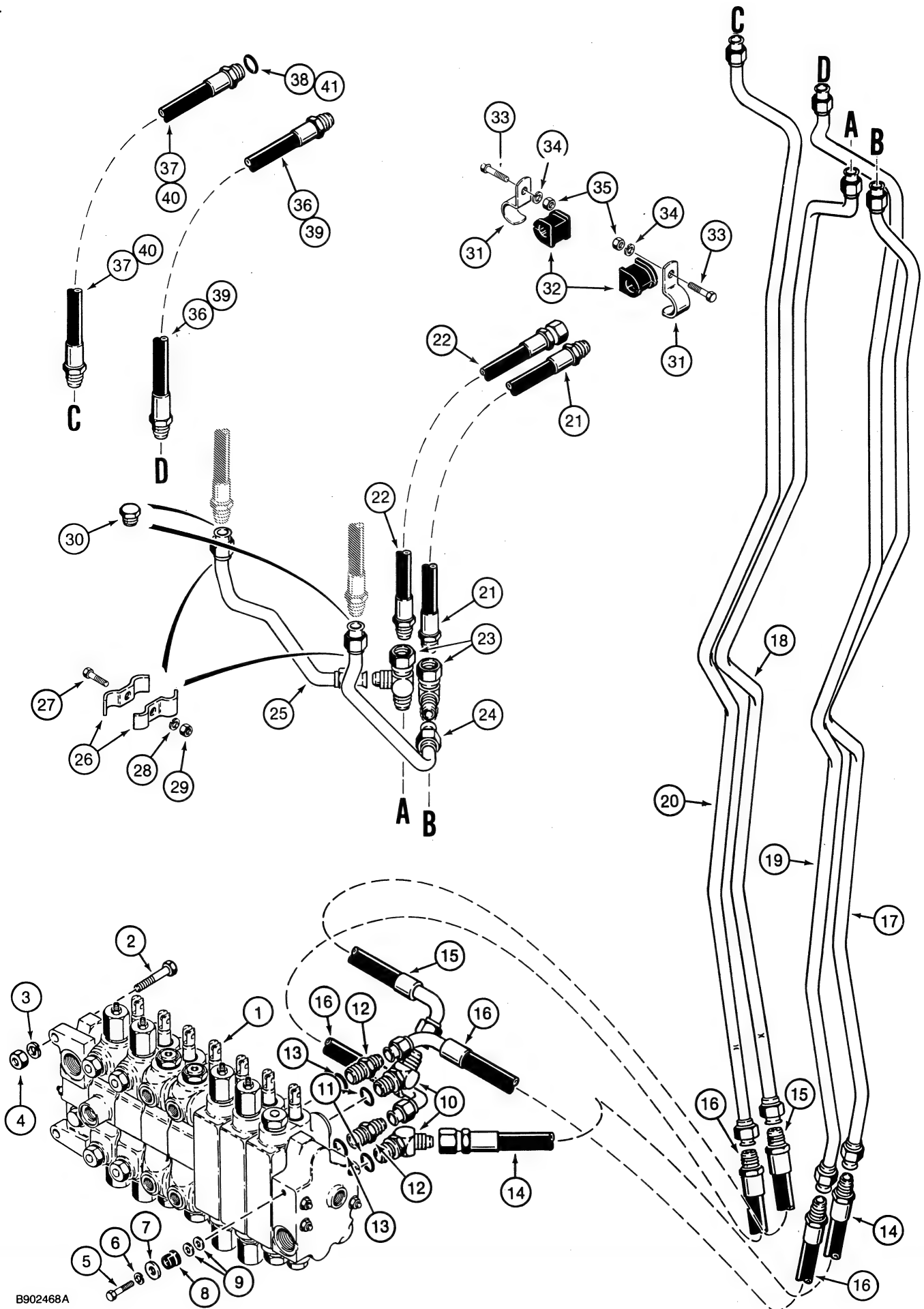
580 Super K Construction King Loader Backhoe
BACKHOE AUXILIARY HYDRAULIC CIRCUIT
FOR OPTIONAL REAR HYDRAULIC ATTACHMENTS
WITH EXTENDABLE DIPPER

8-53

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, 7-spool, for correct assembly and components, see page 8-83, models with extendable dipper or auxiliary hydraulics.....	1
2	413-828	BOLT - hex, 1/2 NC x 1-3/4 inch.....	2
3	492-11050	WASHER - lock, 1/2 inch.....	2
4	425-108	NUT - hex, 1/2 inch NC.....	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	1
6	492-11038	WASHER - lock, 3/8 inch.....	1
7	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened.....	1
8	D52276	INSULATOR - vibration.....	1
9	495-81266	WASHER - flat, 13/32 x 7/8 x 1/16 inch, if used.....	2
10	218-5149	ELBOW - 45 degree, 7/8-14 flare x 1-1/16-12 inch adj O-ring, auxiliary section ports.....	2
11	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
12	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring, bucket section ports.....	2
13	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
14	D143317	HOSE - 1350 mm long, includes one metal hose sleeve, auxiliary section lower port to boom auxiliary right-hand tube.....	1
15	D143310	HOSE - 1900 mm long, includes one metal hose sleeve, auxiliary section upper port to boom auxiliary left-hand tube.....	1
16	D143311	HOSE - 1525 mm long, includes one metal hose sleeve, bucket section upper and lower ports.....	2
17	D149724	TUBE - right-hand side of boom to rear attachment hose.....	1
18	D149722	TUBE - left-hand side of boom to rear attachment hose.....	1
19	D138057	TUBE - right-hand side of boom to bucket cylinder rod end hose.....	1
20	D138059	TUBE - left-hand side of boom to bucket cylinder closed end hose.....	1
21	D140708	HOSE - 850 mm long, to extendable dipper cylinder rod end tube.....	1
22	D134095	HOSE - 700 mm long, to extendable dipper cylinder closed end.....	1
23	218-5221	TEE - 1-1/16-12 inch fl branch x flare x adj straight thread.....	2
24	*D140322	TUBE - right-hand side of boom, for connecting optional rear attachment hose.....	1
25	*D140324	TUBE - left-hand side of boom, for connecting optional rear attachment hose.....	1
26	D149143	CLAMP - tubes.....	4
27	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch.....	2
28	492-11038	WASHER - lock, 3/8 inch.....	2
29	425-106	NUT - hex, 3/8 inch NC.....	2
30	218-777	PLUG - hex, 1-1/16-12 inch flare, not required when rear attachment hoses are installed.....	2

***NOTE:** Connecting hoses at these tubes shall be supplied by the customer for use with their particular optional rear hydraulic attachment.

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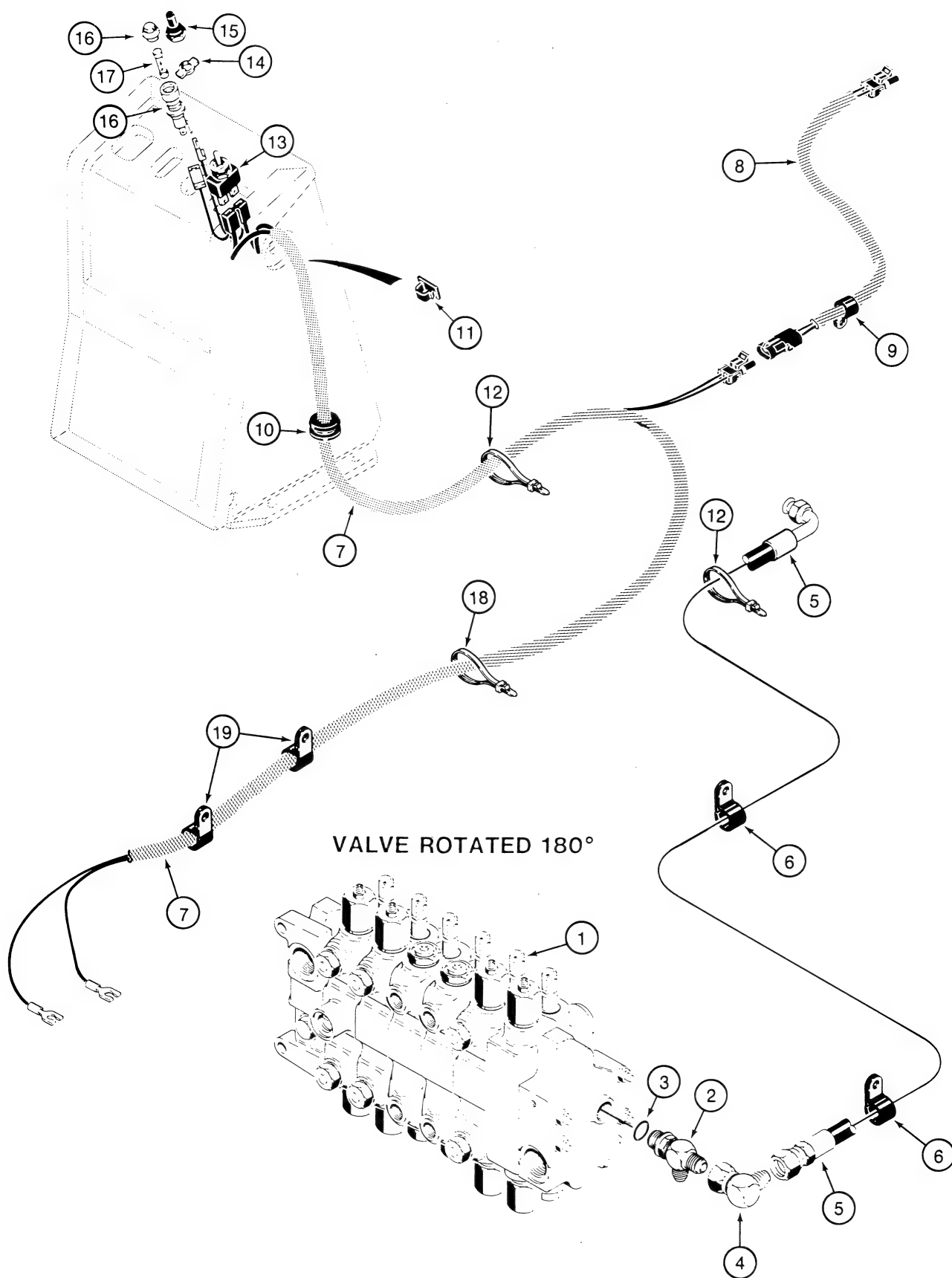


**580 Super K Construction King Loader Backhoe
BACKHOE AUXILIARY HYDRAULIC CIRCUIT
FOR OPTIONAL REAR HYDRAULIC ATTACHMENTS
WITH EXTENDABLE DIPPER**

8-55

REF.	PART NO.	DESCRIPTION	REQ'D.
31	D143410	CLAMP - hose, replaces D68846.....	4
32	D67297	INSULATOR - 1 inch	4
33	413-616	BOLT - hex, 3/8 NC x 1 inch	4
34	492-11038	WASHER - lock, 3/8 inch	4
35	425-106	NUT - hex, 3/8 inch NC	4
36	*D143894	HOSE - 2057 mm long, to bucket cylinder rod end tube, used with metal clamps (item 45) on page 8-45, if used.....	1
37	*D143895	HOSE - 2027 mm long, to closed end of bucket cylinder, used with metal clamps (item 45) on page 8-45, if used.....	1
38	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
39	*108335A1	HOSE - 1960 mm long, to bucket cylinder rod end tube, used with rubber clamp (item 62 on page 8-45), if used.....	1
40	*108336A1	HOSE - 1930 mm long, to closed end of bucket cylinder, used with rubber clamp (item 62 on page 8-45), if used	1
41	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1

***NOTE:** See page 8-45 for hose and tube clamps.



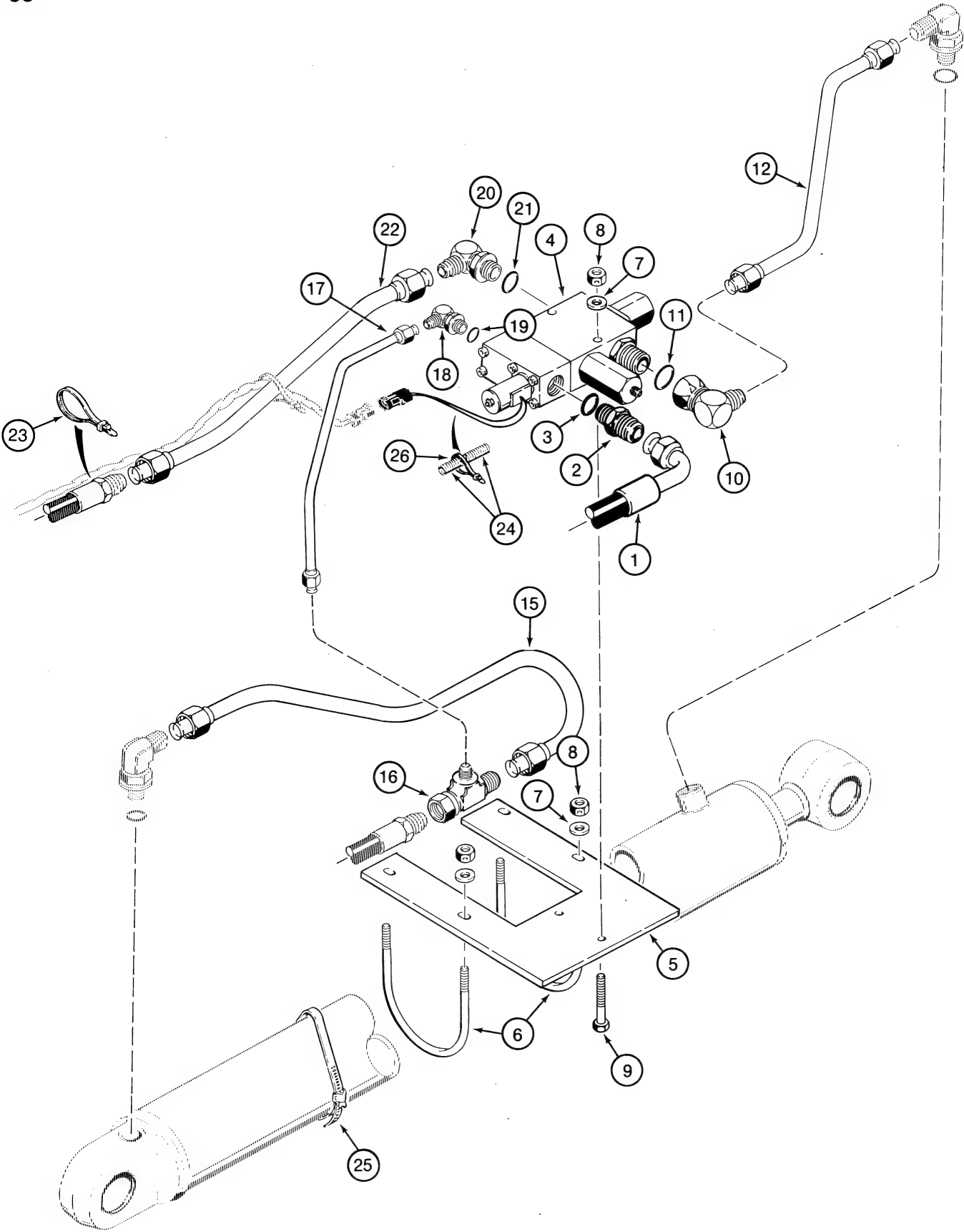
580 Super K Construction King Loader Backhoe
8-57

BACKHOE BOOM LOCK HYDRAULIC AND ELECTRICAL CIRCUIT AT CONTROL TOWER AND BACKHOE VALVE

REF.	PART NO.	DESCRIPTION	REQD.
	*D104408	KIT - backhoe boom lock, also includes parts on page 8-59, L111356 decal on page 9-175 and 131-203 nut (item 37) on page 8-33, plus an instruction sheet.....	1
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see page 8-81 or 8-83, for valve mounting see page 8-25	1
2	218-5241	TEE - 7/8-14 inch flare branch x flare x adj O-ring boss	1
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
4	218-5232	ELBOW - 90 degree, 7/8-14 inch flare x swivel flare.....	1
5	D149555	HOSE - 1750 mm long, backhoe valve return to boom lock valve	1
6	T50103	CLAMP - P-type, return hose	2
7	D150390	HARNESS - boom lock, at control tower to relay under side console	1
8	D149552	HARNESS - boom lock, boom lock valve solenoid to control tower boom lock harness.....	1
9	*49836	CLAMP - P-type, harness.....	2
10	*D139845	GROMMET - harness	1
11	L100659	CLIP - harness.....	2
12	L18337	STRAP - tie	9
13	D67251	SWITCH - toggle, boom lock	1
14	L105735	PLATE - trim	1
15	L101998	BOOT - toggle switch.....	1
16	A22874	RETAINER - fuse, at backhoe control tower.....	1
17	223-26	FUSE - 5 ampere, boom lock.....	1
18	D147773	STRAP - tie, nylon	3
19	*49836	CLAMP - P-type, harness.....	2

NOTE: See page 8-59 for continuation of backhoe boom lock hydraulic and electrical circuit.

***NOTE:** Not included in D104408 kit, may purchase separately.

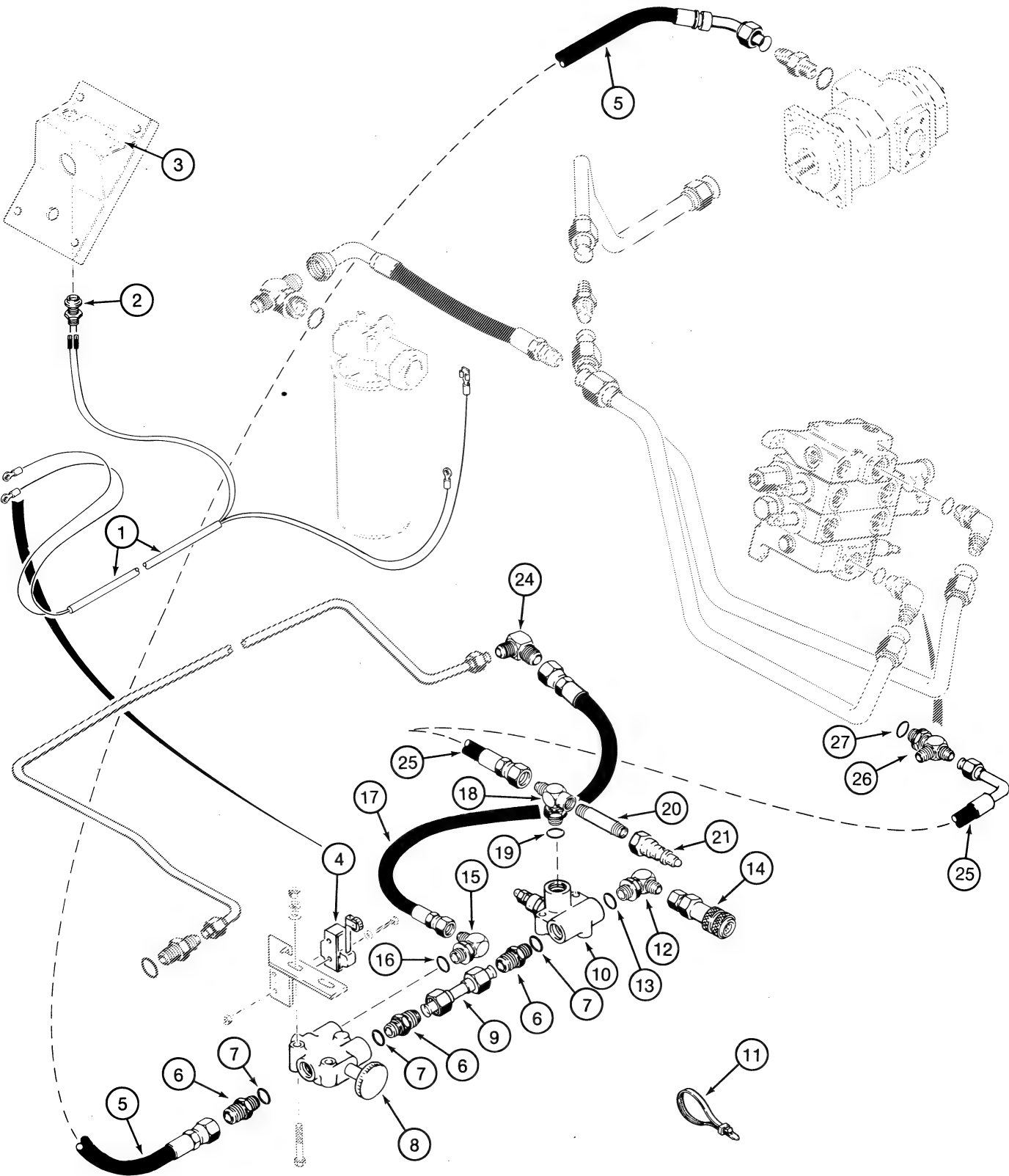


580 Super K Construction King Loader Backhoe 8-59

**BACKHOE BOOM LOCK HYDRAULIC AND ELECTRICAL CIRCUIT
AT BOOM CYLINDER**

REF.	PART NO.	DESCRIPTION	REQD.
	D104408	KIT - backhoe boom lock, continued from previous page	1
1	D149555	HOSE - 1750 mm long, backhoe valve return to boom lock valve	1
2	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss	1
3	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
4	D150443	VALVE ASSEMBLY - boom lock, parts list page 8-103, solenoid wire connector attaches to item 8 boom lock harness on page 8-57 1	
5	D150054	PLATE - valve mounting	1
6	D150053	U-BOLT - 3/8 inch	2
7	495-11041	WASHER - flat, 3/8 inch	6
8	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8	6
9	413-648	BOLT - hex, 3/8 NC x 3 inch	2
10	218-5382	ELBOW - 90 deg, 1-1/16-12 flare x 1-5/16-12 inch swivel flare	1
11	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
12	D149524	TUBE - lock valve to right-hand boom cylinder rod end, see page 8-31, item 27 for elbow	1
15	D149533	TUBE - boom cylinder closed end	1
16	218-5411	TEE - 7/16-20 fl branch x 1-1/16-12 inch fl x adj str thread	1
17	D149528	TUBE - cylinder closed end to pilot port on boom lock valve	1
18	218-5283	ELBOW - 90 degree, 7/16-20 flare x 9/16-18 inch adj O-ring	1
19	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
20	218-5118	ELBOW - 90 deg, 1-1/16-12 flare x 1-5/16-12 inch adj O-ring	1
21	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
22	D150136	TUBE - attaches to hose at lower boom port of backhoe valve, see page 8-31, item 14 for hose	1
23	D147773	STRAP - tie, double hose	UAR
24	D121385	GUARD - harness protection	1
25	214-31104	CLAMP - tube to cylinder eye	2
26	L18337	STRAP - tie, nylon, guard	UAR

NOTE: See page 8-57 for continuation of backhoe boom
lock hydraulic and electrical circuit.



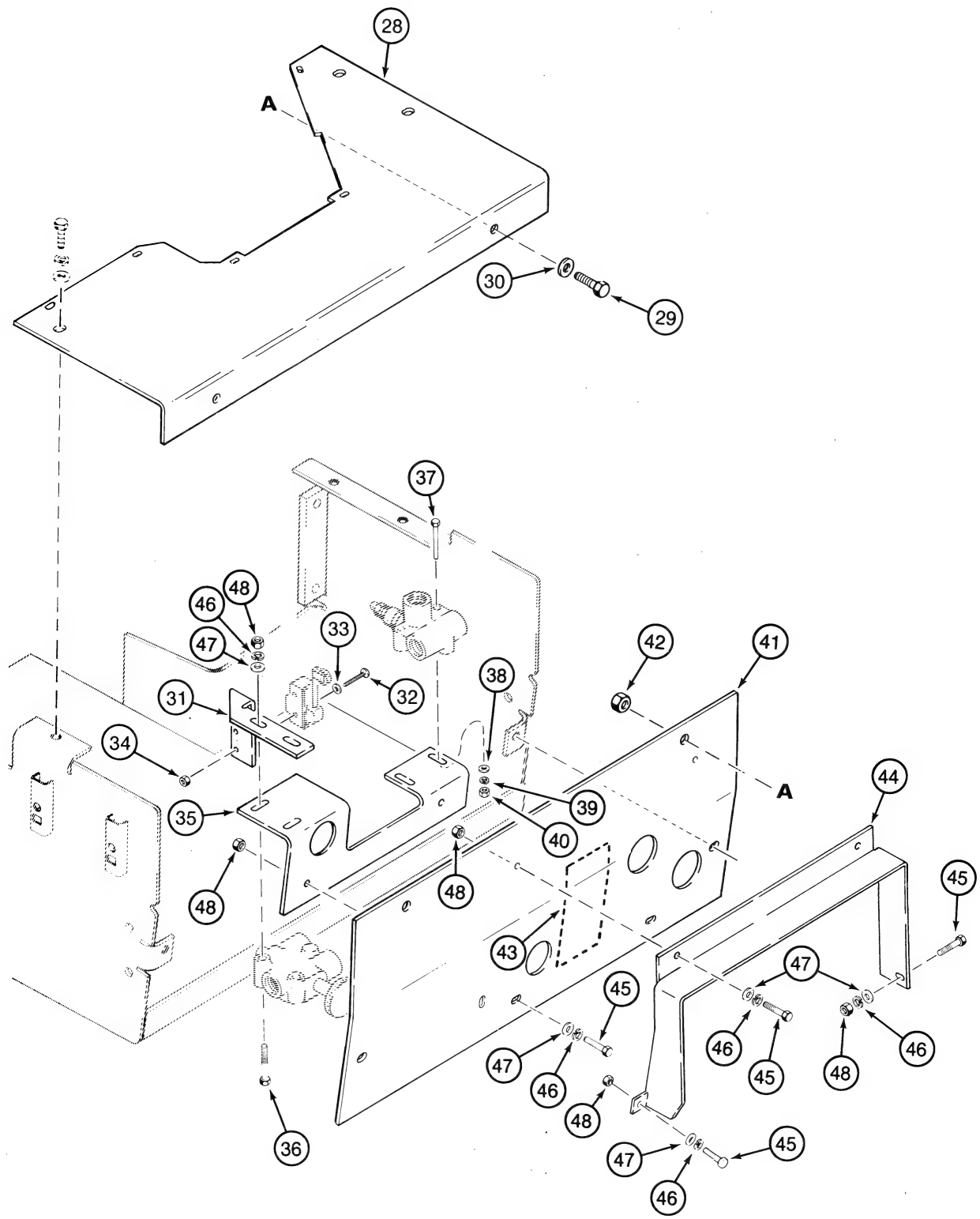
107992A1 HAND HELD TOOL ATTACHMENT HYDRAULIC KIT
FOR HAND HELD TOOLS REQUIRING 10 GPM OR LESS HYDRAULIC FLUID
(LOCATED AT RIGHT-HAND STEP)

REF.	PART NO.	DESCRIPTION	REQD.
	107992A1	KIT - hand held tool attachment, includes 8-80580 installation instructions, also includes items on page 8-59D.....	1
1	D151083	HARNESS - warning lamp	1
2	H603852	LAMP - warning, oil temperature, mounts in key switch plate	1
2A	114323A1	LENS - red, not shown	1
3	D150925	DECAL - Caution, Do not operate unit with red light on, at warning lamp on key switch plate	1
4	D137363	SWITCH - lamp.....	1
5	D150799	HOSE - 106 inch (2700 mm) long, uses existing tube clamp hardware, replaces hose, tube, and adapter at small section of equipment pump, items 3-5 on page 8-7	1
6	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss	3
7	237-6010	O-RING - 3/4 ID x 3/32 inch.....	1
8	D150656	VALVE - selector, component parts not serviced separately	1
9	D150746	TUBE - selector valve to relief valve	1
10	D150657	VALVE - relief, component parts not serviced separately	1
11	L18337	STRAP - nylon, retaining	10
12	218-5304	ELBOW - 90 degree, 7/8-14 inch adj O-ring boss x 1/2 inch PT	1
13	237-6010	O-RING - 3/4 ID x 3/32 inch.....	1
14	H436396	QUICK DISCONNECT - female, includes F62075 O-ring	1
15	218-5121	ELBOW - 90 degree, 3/4-16 flare x 7/8-14 inch adj O-ring	1
16	237-6010	O-RING - 3/4 ID x 3/32 inch.....	1
17	D150800	HOSE - 61 inch (1550 mm) long, selector valve to backhoe tube.....	1
18	D150797	TEE - return	1
19	237-6010	O-RING - 3/4 ID x 3/32 inch.....	1
20	221-192	NIPPLE - straight, 1/2 PT x 3 inch	1
21	1272770C2	QUICK DISCONNECT - male.....	1
22	T40274	PLUG - dust, not shown.....	1
23	T40759	PLUG - dust, quick disconnect, not shown.....	1
24	218-475	ELBOW - 90 degree, 7/8-14 inch flare, attaches to existing tube at backhoe valve, item 6 on page 8-7	1
25	D150801	HOSE - 16 inch (425 mm) long, relief valve to loader valve.....	1
26	D150778	TEE - return, at loader valve	1
27	237-6016	O-RING - 1-11/64 ID x 1/8 inch.....	1

NOTE: Variable flows can be obtained by changing engine speeds as follows:

Engine Speed - 850 rpm's - Hand Held Flow - 4 gpm's
 Engine Speed - 1200 rpm's - Hand Held Flow - 6 gpm's
 Engine Speed - 1600 rpm's - Hand Held Flow - 8 gpm's
 Engine Speed - 2200 rpm's - Hand Held Flow - 11 gpm's

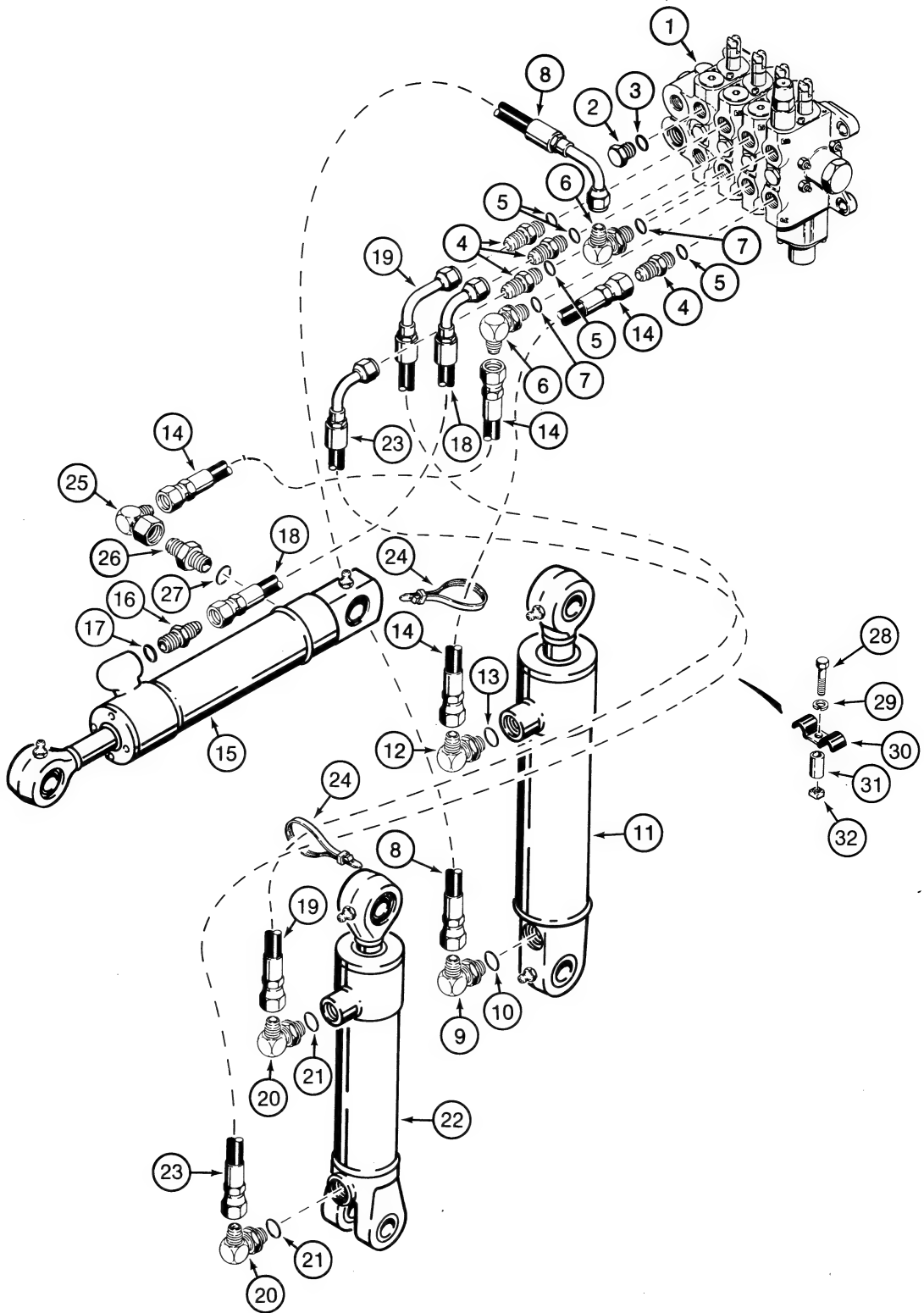
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8-59D

580 Super K Construction King Loader Backhoe
107992A1 HAND HELD TOOL ATTACHMENT HYDRAULIC KIT
FOR HAND HELD TOOLS REQUIRING 10 GPM OR LESS HYDRAULIC FLUID
(LOCATED AT RIGHT-HAND STEP)

REF.	PART NO.	DESCRIPTION	REQD.
	107992A1	KIT - hand held tool attachment, includes 8-80580 installation instructions, continued from previous page.....	1
28	D150858	COVER - top, replaces right-hand valve cover plate, item 8 on page 9-95.....	1
29	413-612	BOLT - hex, 3/8 NC x 3/4 inch.....	2
30	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch.....	2
31	D150914	BRACKET - switch mounting	1
32	470-10620	SCREW - machine, pan head slotted, No. 6 NC x 1-1/4 inch.....	2
33	495-31016	WASHER - flat, 5/32 x 3/8 x 3/64 inch.....	2
34	193-1003	NUT - hex, with external tooth lock washer, No. 6 NC	2
35	D150861	BRACKET - valve mounting	1
36	413-528	BOLT - hex, 5/16 NC x 1-3/4 inch	2
37	413-432	BOLT - hex, 1/4 NC x 2 inch.....	2
38	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch.....	2
39	492-11025	WASHER - lock, 1/4 inch	2
40	425-104	NUT - hex, 1/4 inch NC.....	2
41	D150857	COVER - front.....	1
42	131-851	NUT - J-type, 3/8 inch NC	2
43	D150873	DECAL - instructional	1
44	D150922	GUARD - control	1
45	413-516	BOLT - hex, 5/16 NC x 1 inch.....	5
46	492-11031	WASHER - lock, 5/16 inch	7
47	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch.....	7
48	425-105	NUT - hex, 5/16 inch NC.....	7

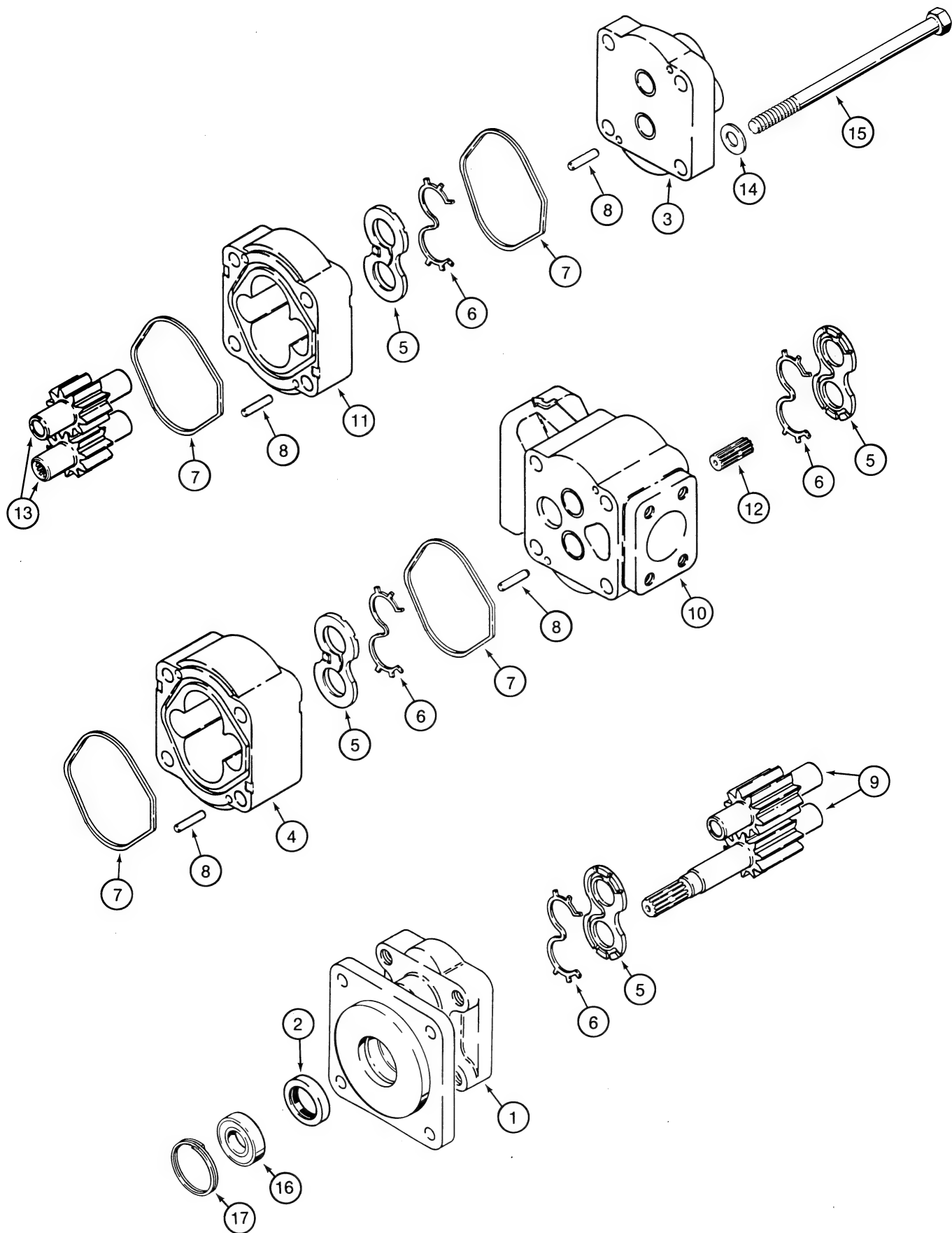


580 Super K Construction King Loader Backhoe
THREE-POINT HITCH CYLINDER HYDRAULIC CIRCUIT

8-61

REF.	PART NO.	DESCRIPTION	REQD.
1	D141297	VALVE ASSEMBLY - three-point hitch control, parts list page 8-105, see page 9-73 for valve mounting	1
2	218-5156	PLUG - hex, 3/4-16 inch O-ring boss, upper and lower implement section, if used	2
3	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
4	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, male, upper and lower port tilt section, pitch section upper port, and lift section lower port	4
5	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
6	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, adjustable, upper port lift section and lower port pitch section	2
7	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
8	D141271	HOSE - 1350 mm long, upper port lift section to closed end of lift cylinder	1
9	D135096	ELBOW - 90 degree, restriction, closed end of lift cylinder	1
10	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
11	G101189	CYLINDER ASSEMBLY - lift, parts list page 8-143	1
12	218-5121	ELBOW - 90 degree, 3/4-16 flare x 7/8-14 inch adj O-ring, rod end of lift cylinder	1
13	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
14	D141267	HOSE - 550 mm long, lower port lift section to rod end of lift cylinder and pitch section lower port to closed end of pitch cylinder	2
15	1976884C1	CYLINDER ASSEMBLY - pitch, parts list page 8-147	1
16	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, rod end of pitch cylinder	1
17	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
18	D141268	HOSE - 900 mm long, upper port pitch section to rod end of pitch cylinder	1
19	D141270	HOSE - 1250 mm long, upper port tilt section to rod end of tilt cylinder	1
20	218-5121	ELBOW - 90 degree, 3/4-16 flare x 7/8-14 inch adj O-ring, closed end and rod end of tilt cylinder	2
21	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
22	G101188	CYLINDER ASSEMBLY - tilt, parts list page 8-145	1
23	D141269	HOSE - 1450 mm long, tilt section lower port to closed end of tilt cylinder	1
24	L18337	STRAP - tie, lift and tilt cylinder hoses	2
25	218-5230	ELBOW - 90 degree, 3/4-16 inch flare x swivel flare, closed end of pitch cylinder	1
26	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, closed end of pitch cylinder	1
27	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
28	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	1
29	492-11038	WASHER - lock, 3/8 inch	1
30	D143846	CLAMP - hose	1
31	D149139	SPACER - hose clamp	1
32	224-2246	NUT - square, 3/8 inch NC	1

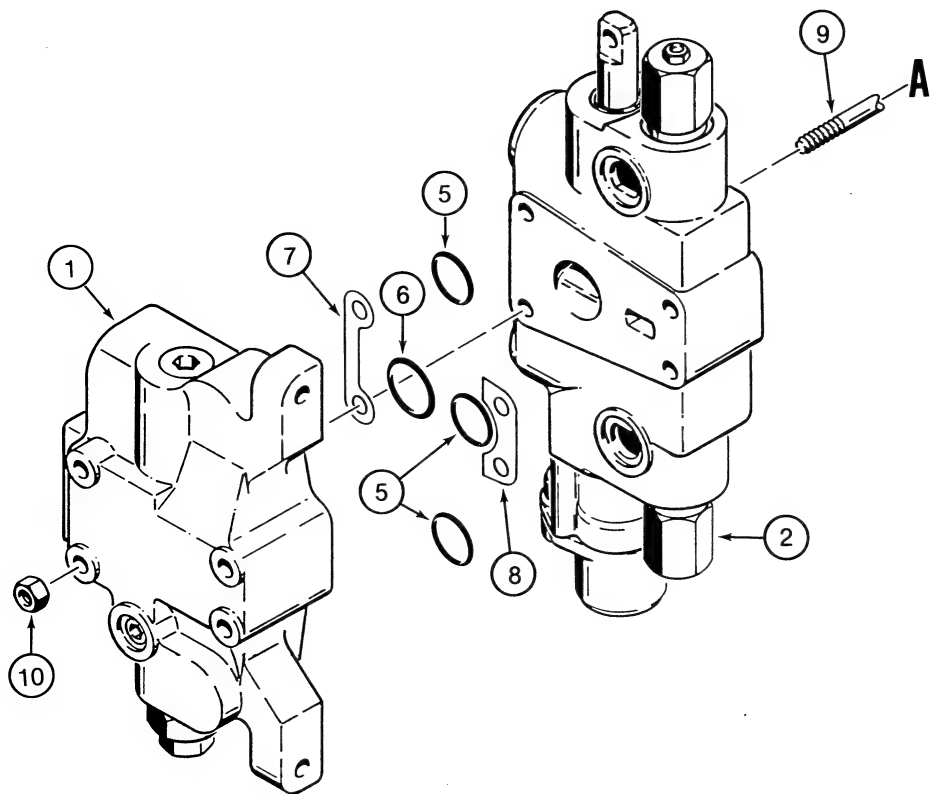
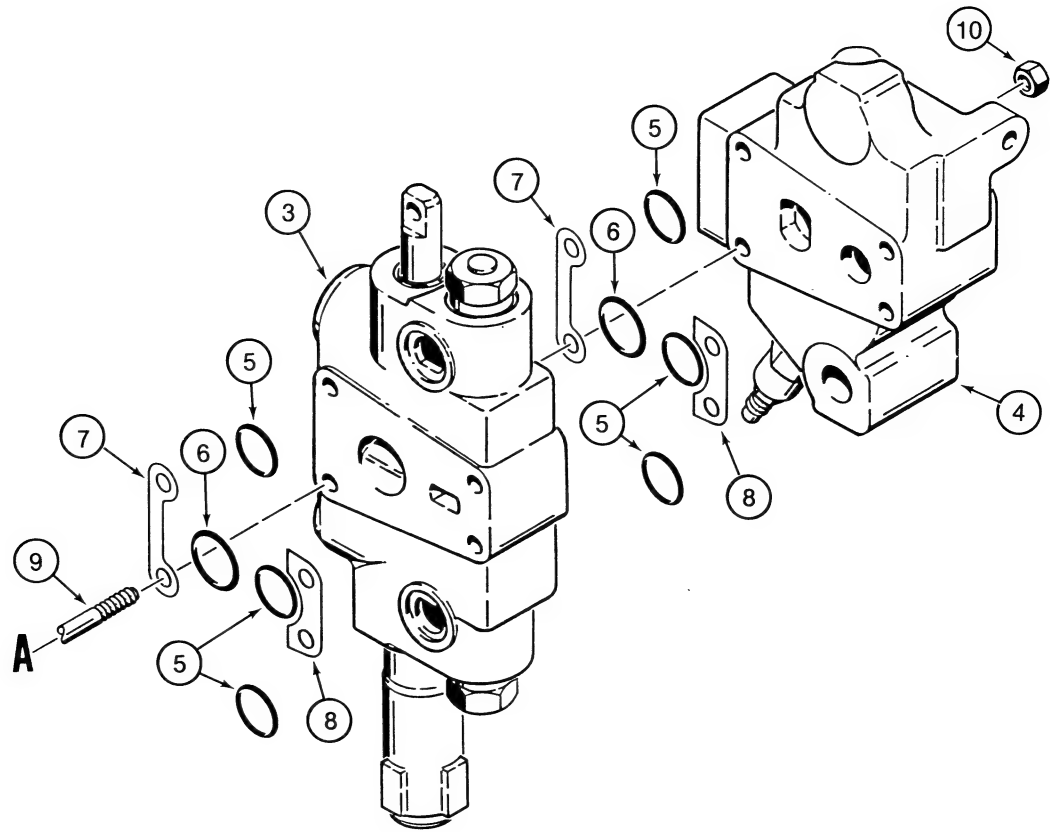
NOTE: See page 8-11 for pressure and return hoses at rear of chassis.



580 Super K Construction King Loader Backhoe
EQUIPMENT HYDRAULIC PUMP

8-63

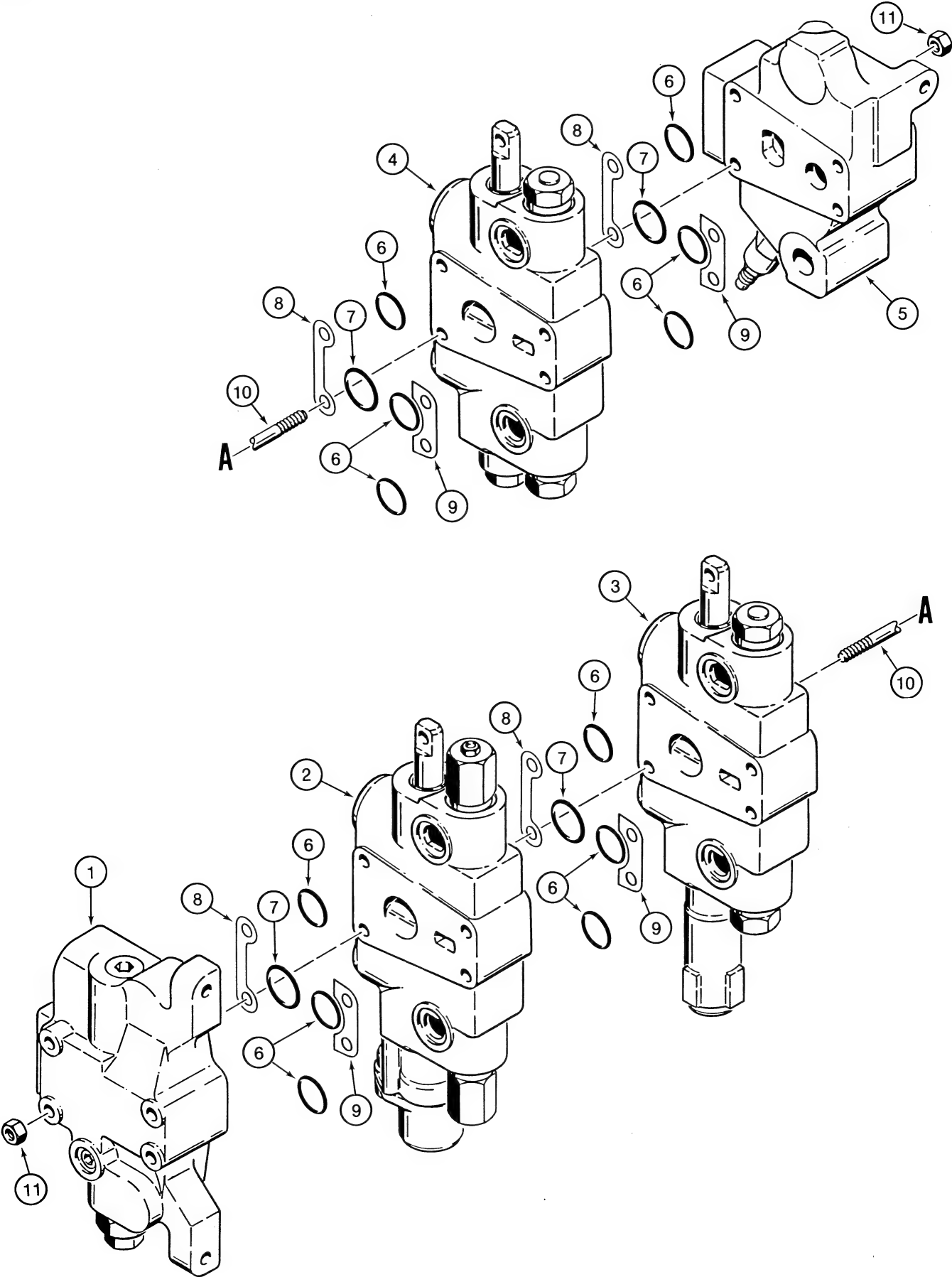
REF.	PART NO.	DESCRIPTION	REQ'D.
	D149283	PUMP ASSEMBLY - hydraulic equipment	1
1	NSS	COVER - shaft end, includes a bushing which is not serviced separately	1
2	L32418	SEAL - shaft.....	1
3	NSS	COVER - closed end, includes a bushing which is not serviced separately	1
4	N14115	HOUSING - gear, shaft end.....	1
5	N13582	PLATE - thrust	4
6	N13583	RETAINER - wear plate	4
7	L32100	SEAL - housing, large	4
8	W16323	PIN - dowel, gear housing	8
9	NSS	SET - gear, shaft end.....	1
10	NSS	HOUSING - center, with ports, includes bushings which are not serviced separately.....	1
11	D147209	HOUSING - gear, closed end, pump	1
12	N13586	SHAFT - connecting	1
13	NSS	SET - gear, closed end	1
14	524443R1	WASHER - flat, 5/8 inch, hardened	4
15	326-10144	BOLT - hex, 5/8 NC x 9 inch, grade 8.....	4
16	3139296R1	BEARING - ball, sealed.....	1
17	71466	RING - retaining, spring lock.....	1



LOADER CONTROL VALVE

TWO SPOOL

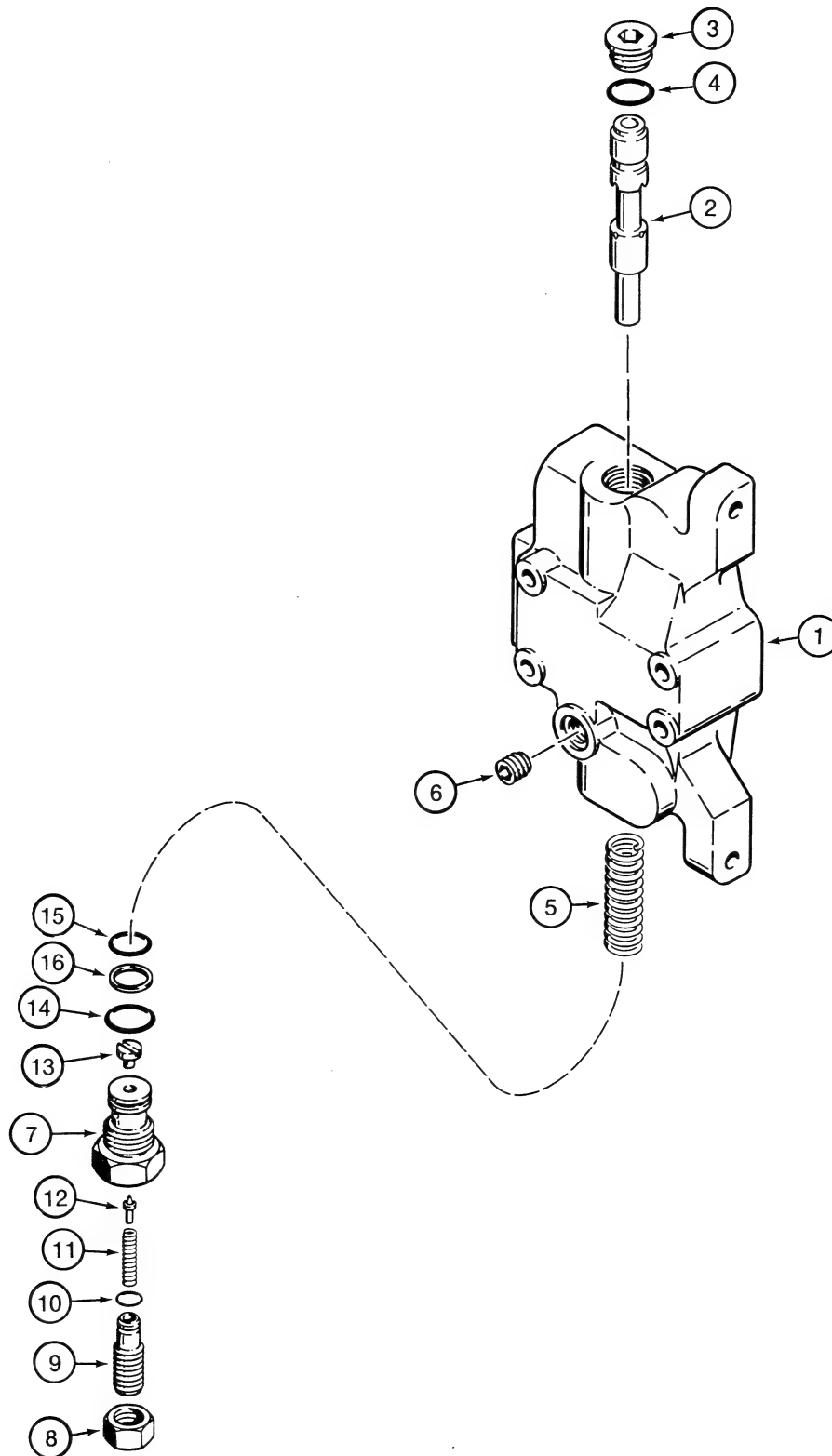
REF.	PART NO.	DESCRIPTION	REQ'D.
	1346392C1	VALVE ASSEMBLY - control, loader, two spool.....	1
1	1980434C1	SECTION ASSEMBLY - inlet, with steering relief valve, parts list page 8-69.....	1
2	1986594C1	SECTION ASSEMBLY - bucket, with magnetic detent and circuit relief valve, parts list page 8-71.....	1
3	1986591C1	SECTION ASSEMBLY - lift, with manual detent, parts list page 8-73.....	1
4	1346396C1	SECTION ASSEMBLY - valve, outlet, with main relief, parts list page 8-75.....	1
5	*238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small.....	9
6	*238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large.....	3
7	G107251	SHIM - section, port side of control valve.....	3
8	G33965	SHIM - section, non-port side of control valve.....	3
9	G108870	STUD - tie, 3/8 NC x 9-3/4 inch.....	4
10	425-106	NUT - hex, 3/8 inch NC.....	8
	*1346108C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1



LOADER CONTROL VALVE

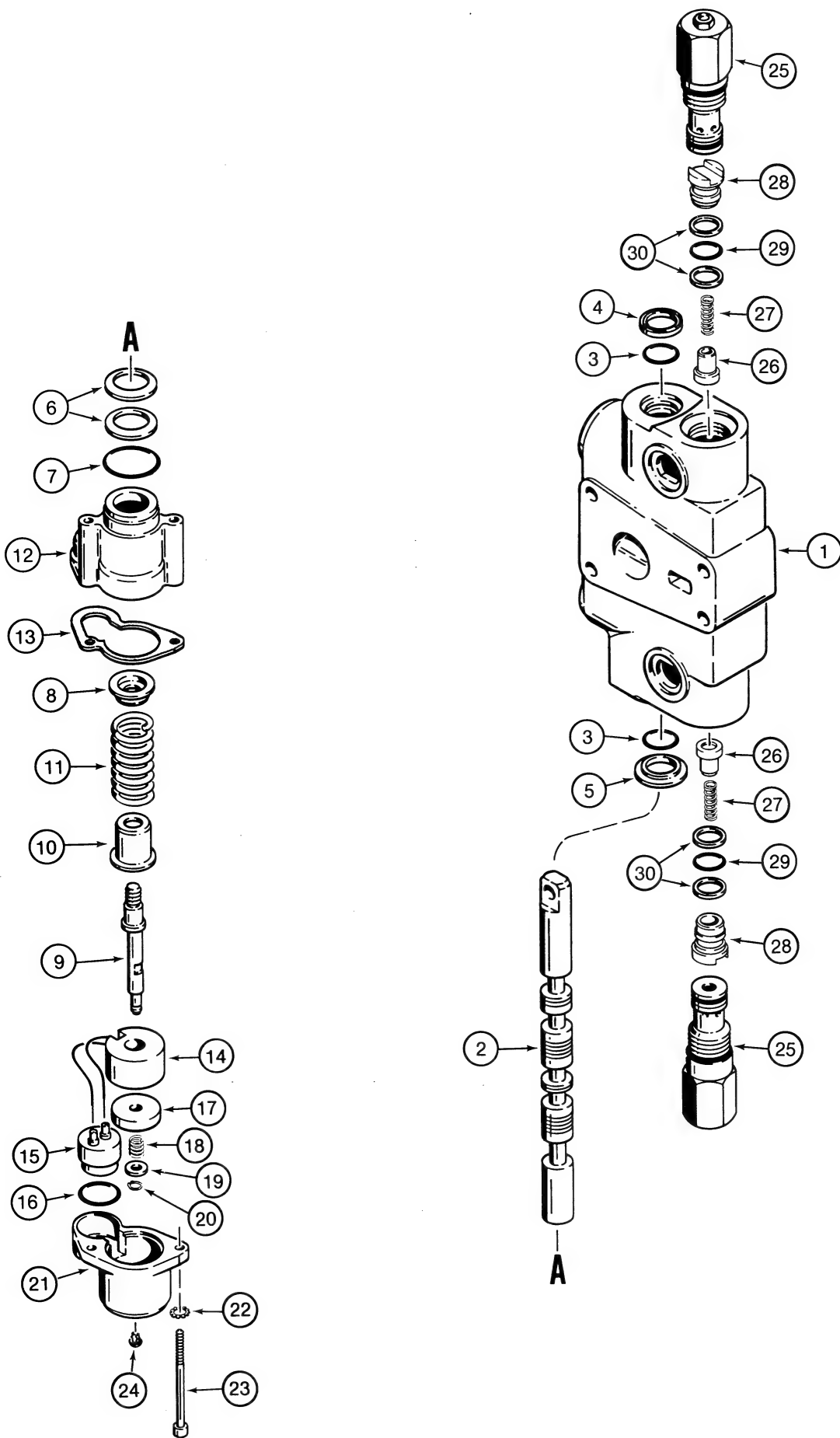
THREE SPOOL

REF.	PART NO.	DESCRIPTION	REQD.
	1346393C1	VALVE ASSEMBLY - control, loader, three spool.....	1
1	1980434C1	SECTION ASSEMBLY - inlet, with steering relief valve, parts list page 8-69	1
2	1986594C1	SECTION ASSEMBLY - bucket, with magnetic detent and circuit relief valve, parts list page 8-71	1
3	1986591C1	SECTION ASSEMBLY - lift, with manual detent, parts list page 8-73	1
4	1986593C1	SECTION ASSEMBLY - clam, all valves, parts list page 8-77	1
5	1346396C1	SECTION ASSEMBLY - outlet, all valves, with main relief valve, parts list page 8-75.....	1
6	*238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small.....	12
7	*238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	4
8	G107251	SHIM - section, port side of control valve	4
9	G33965	SHIM - section, non-port side of control valve.....	4
10	G108805	STUD - tie, 3/8 NC x 11-3/4 inch	4
11	425-106	NUT - hex, 3/8 inch NC.....	8
	*1346108C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1



LOADER CONTROL VALVE**INLET SECTION - WITH STEERING RELIEF VALVE**

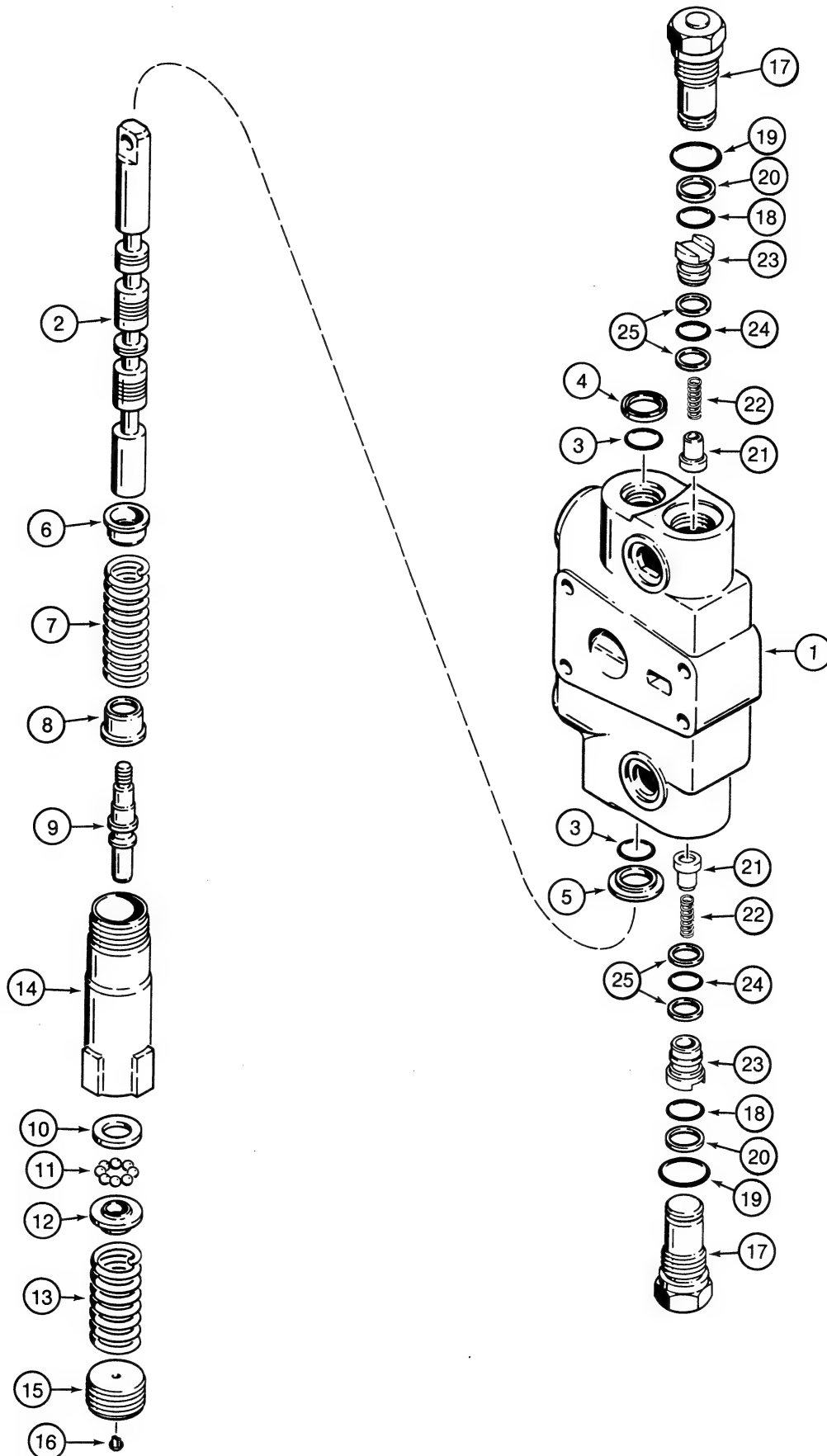
REF.	PART NO.	DESCRIPTION	REQD.
	1980434C1	SECTION ASSEMBLY - inlet, with steering relief valve	1
1	NSS	HOUSING - inlet section	1
2	NSS	SPOOL - inlet section	1
3	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
4	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
5	G108877	SPRING - centering, spool	1
6	1994566C1	PLUG - orifice, steering port, not required	1
	G108868	VALVE ASSEMBLY - relief, steering	1
7	G108866	HOUSING - steering relief valve	1
8	25-1510	NUT - hex, jam, 5/8 NF	1
9	G108867	PLUG - adjusting, relief valve	1
10	238-6012	O-RING - 3/8 ID x 1/16 inch	1
11	G109275	SPRING - steering relief	1
12	G108556	POPPET - steering relief	1
13	G108869	SEAT - poppet, relief valve	1
14	237-6012	O-RING - 59/64 ID x 7/64 inch wide, housing, large	1
15	238-6018	O-RING - 3/4 ID x 1/16 inch wide, housing, small	1
16	G35540	RING - backup, small O-ring, housing	1



LOADER CONTROL VALVE

BUCKET SECTION - WITH MAGNETIC DETENT AND CIRCUIT RELIEF VALVE

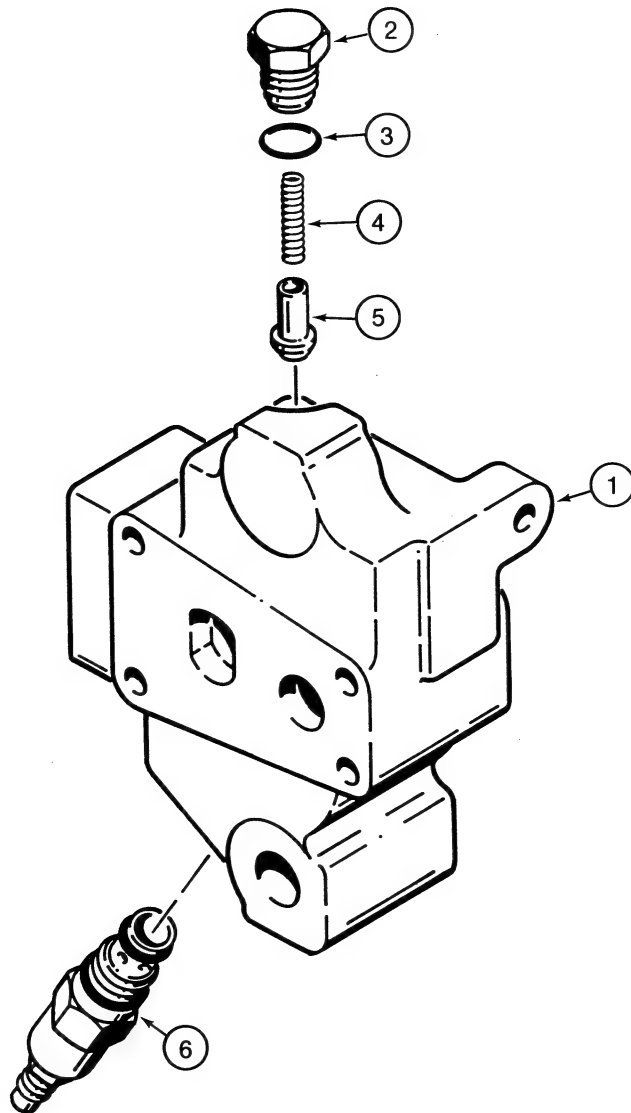
REF.	PART NO.	DESCRIPTION	REQD.
	1986594C1	SECTION ASSEMBLY - bucket, with magnetic detent and circuit relief valve	1
1	NSS	HOUSING - bucket section	1
2	NSS	SPOOL - bucket section	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring)	2
4	*65457C1	SEAL - oil, spool (replaces A32309)	1
5	G102711	RETAINER - O-ring	1
6	G106452	SPRING - belleville, washer	2
7	*238-5026	O-RING - 1-1/4 ID x 1/16 inch wide, retainer	1
8	G106442	SEAT - centering spring, upper	1
9	G107445	SHAFT - magnetic detent	1
10	G106441	SEAT - centering spring, lower	1
11	1986611C1	SPRING - centering, spool	1
12	G106423	HOUSING - magnetic detent	1
13	G106443	GASKET - magnetic detent housing	1
	G110079	COIL ASSEMBLY - magnetic detent	1
14	NSS	COIL - magnetic detent	1
15	G106450	CONNECTOR - coil	1
16	*238-5020	O-RING - 7/8 ID x 1/16 inch wide, coil connector	1
17	G109295	WASHER - detent	1
18	G107447	SPRING - detent washer	1
19	A50778	WASHER - shaft	1
20	100-1125	RING - snap, washer retaining (replaces A7111)	1
21	G106424	CAP - magnetic detent	1
22	493-41020	WASHER - lock, external tooth, No. 10	2
23	165-46	BOLT - hex socket, No. 10 NC x 2-3/4 inch	2
24	G107780	VALVE - check, magnetic detent	1
25	G107786	VALVE ASSEMBLY - circuit relief, one piece cap, used in production, parts list page 8-79, order G109449 circuit relief valve kit for service, see page 8-79 for kit	2
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
26	1343777C1	POPPET - hollow poppet pin with orifice	1
27	1346175C1	SPRING - load check	1
28	1343708C1	PLUG - load check	1
29	*238-6016	O-RING - plug (replaces G110020)	1
30	*G103862	RING - backup, plug O-ring	2
	*1346105C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application	1



LOADER CONTROL VALVE

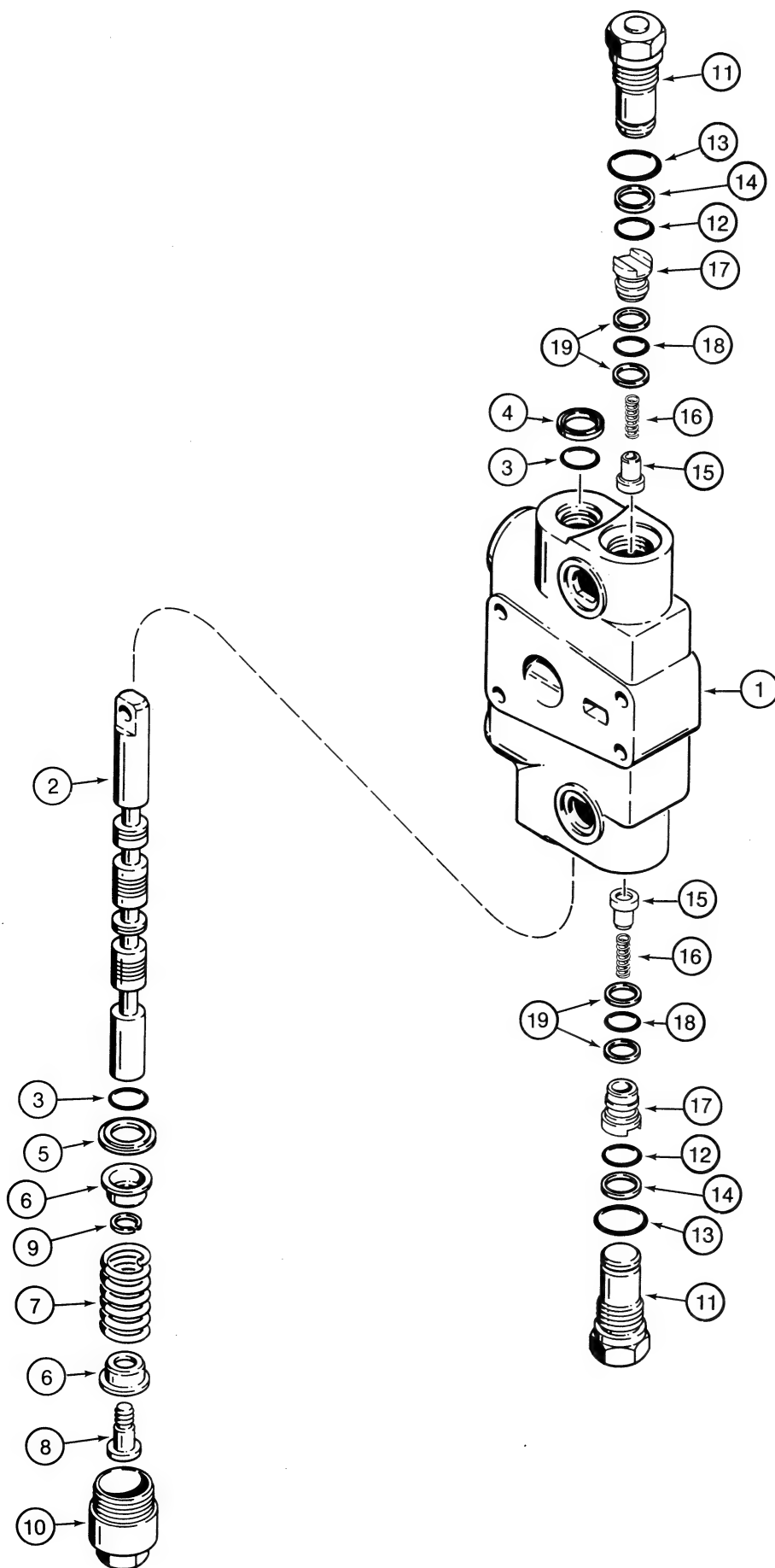
LIFT SECTION WITH MANUAL DETENT

REF.	PART NO.	DESCRIPTION	REQD.
	1986591C1	SECTION ASSEMBLY - lift, with manual detent.....	1
1	NSS	HOUSING - lift section	1
2	NSS	SPOOL - lift section.....	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	*65457C1	SEAL - oil, spool.....	1
5	G102711	RETAINER - O-ring.....	1
6	G33075	SEAT - centering spring, upper, small.....	1
7	1986612C1	SPRING - centering, spool.....	1
8	G106395	SEAT - centering spring, lower, large	1
9	G106396	SHAFT - detent.....	1
10	G109127	WASHER - detent, ball retainer.....	1
11	211-258	BALL - 9/32 inch, grade 50, chrome alloy steel.....	8
12	G106398	RETAINER - ball stop	1
13	1986568C1	SPRING - detent.....	1
14	G106425	HOUSING - detent.....	1
15	G109384	PLUG - detent housing	1
16	G107780	VALVE - check, detent plug	1
	G33122	PLUG ASSEMBLY - load check valve port.....	2
17	NSS	PLUG - load check valve.....	1
18	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, small	1
19	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, large.....	1
20	*G35540	RING - backup, small O-ring.....	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
21	1343777C1	POPPET - hollow poppet pin with orifice, load check.....	1
22	1346175C1	SPRING - load check	1
23	1343708C1	PLUG - load check	1
24	*238-6016	O-RING - plug (replaces G110020)	1
25	*G103862	RING - backup, plug O-ring	2
	*1346105C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1



LOADER CONTROL VALVE**OUTLET SECTION
WITH MAIN RELIEF VALVE**

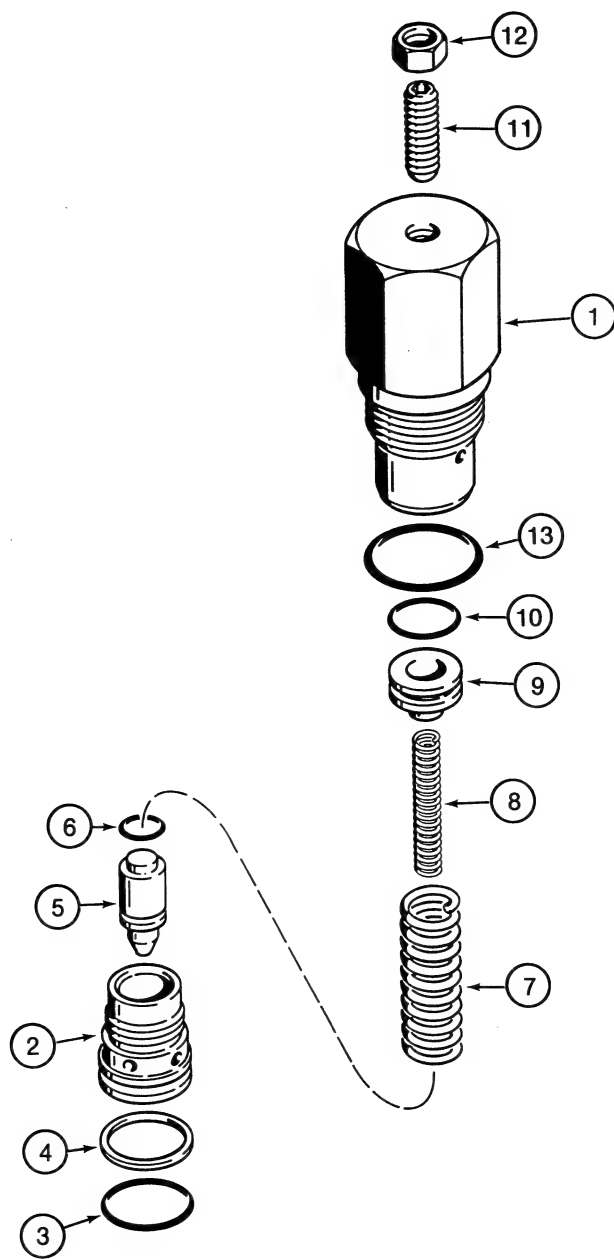
REF.	PART NO.	DESCRIPTION	REQ'D.
	1346396C1	SECTION ASSEMBLY - all valves, outlet, with main relief valve	1
1	NSS	HOUSING - outlet section	1
2	G109644	PLUG - load check	1
3	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
4	G109646	SPRING - load check	1
5	G109645	POPPET - load check	1
6	1343688C1	VALVE ASSEMBLY - outlet section, main relief, cartridge, loader control valve, components parts not serviced separately, cartridge must be serviced complete, external O-rings only may be serviced by ordering G110098 seal kit, see below	1
	G110098	KIT - seal, service for external relief valve cartridge seals only, includes (2) O-rings and (1) backup ring which are not serviced separately	1



LOADER CONTROL VALVE

CLAM SECTION

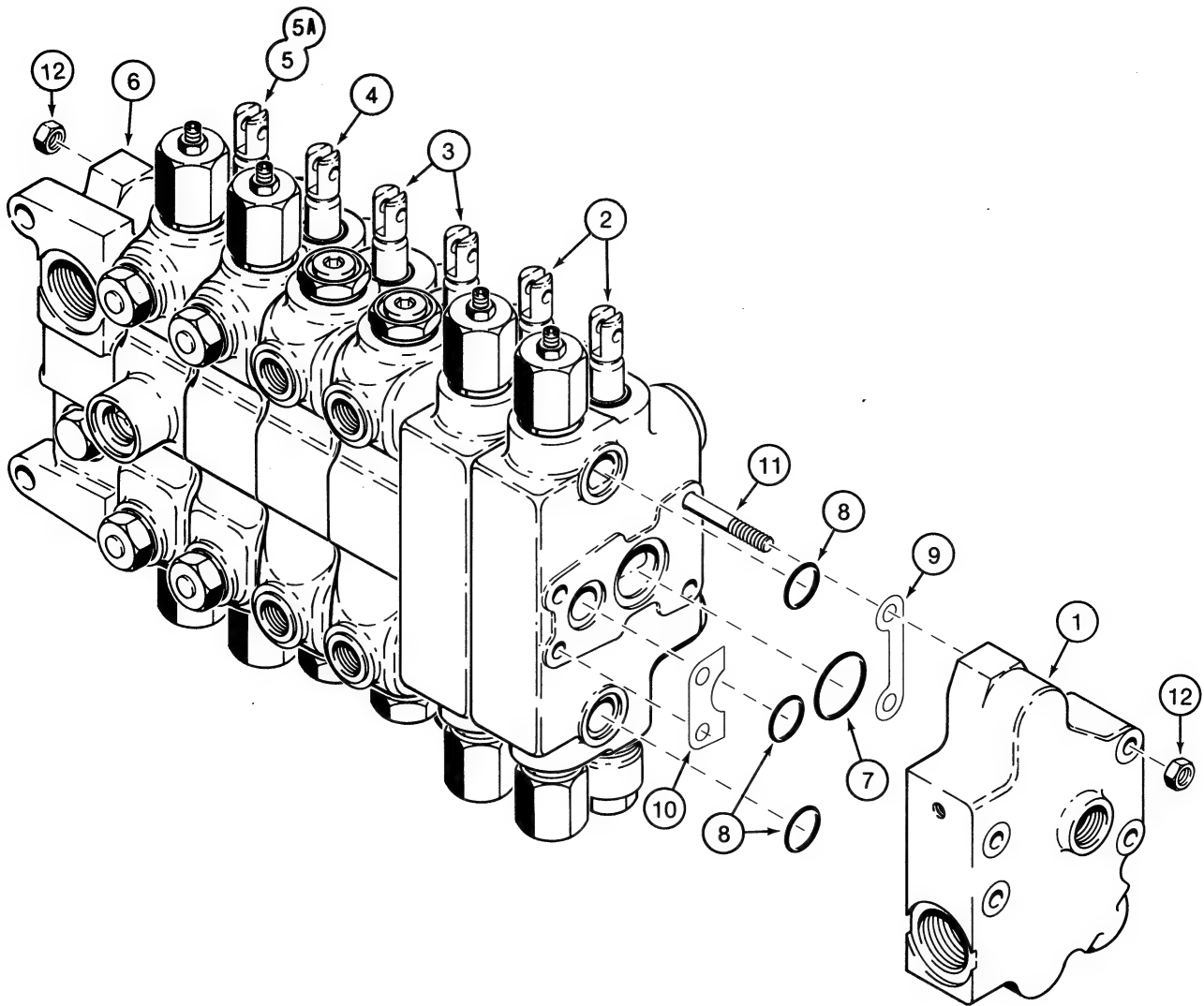
REF.	PART NO.	DESCRIPTION	REQD.
	1986593C1	SECTION ASSEMBLY - clam, three spool valve.....	1
1	NSS	HOUSING - clam section.....	1
2	NSS	SPOOL - clam section	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	*65457C1	SEAL - oil, spool.....	1
5	G102711	RETAINER - O-ring.....	1
6	G33075	SEAT - centering spring	2
7	1986611C1	SPRING - centering, spool, clam section	1
8	G106409	SCREW - spool end	1
9	G106410	SPACER - screw.....	1
10	G33080	CAP - spool end, lower	1
	G33122	PLUG ASSEMBLY - load check valve port.....	2
11	NSS	PLUG - load check valve.....	1
12	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, small	1
13	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, large.....	1
14	*G35540	RING - backup, small O-ring.....	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
15	1343777C1	POPPET - hollow poppet pin with orifice, load check	1
16	1346175C1	SPRING - load check	1
17	1343708C1	PLUG - load check	1
18	*238-6016	O-RING - plug (replaces G110020)	1
19	*G103862	RING - backup, plug O-ring	2
	*1346105C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1



LOADER CONTROL VALVE**CIRCUIT RELIEF VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	*G107786	VALVE ASSEMBLY - circuit relief, one piece cap, bucket section two spool valve, used in production, order G109449 kit for service.....	2
1	NSS	HOUSING - circuit relief valve.....	1
2	NSS	SEAT - circuit relief valve	1
3	238-6018	O-RING - 3/4 ID x 1/16 inch wide.....	1
4	G35540	RING - backup	1
5	NSS	POPPET - circuit relief valve.....	1
6	NSS	O-RING - poppet.....	1
7	NSS	SPRING - relief, outer	1
8	NSS	SPRING - relief, inner	1
9	NSS	PISTON - circuit relief valve.....	1
10	NSS	O-RING - piston.....	1
11	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point.....	1
12	425-155	NUT - hex, jam, 5/16 inch NF	1
13	237-6012	O-RING - 59/64 ID x 7/64 inch wide.....	1
	*G109449	KIT - service for G107786 circuit relief valve, kit includes an instruction sheet and G109447 circuit relief valve (items 1-13) which is the same as G107786 except with a different pressure setting	1

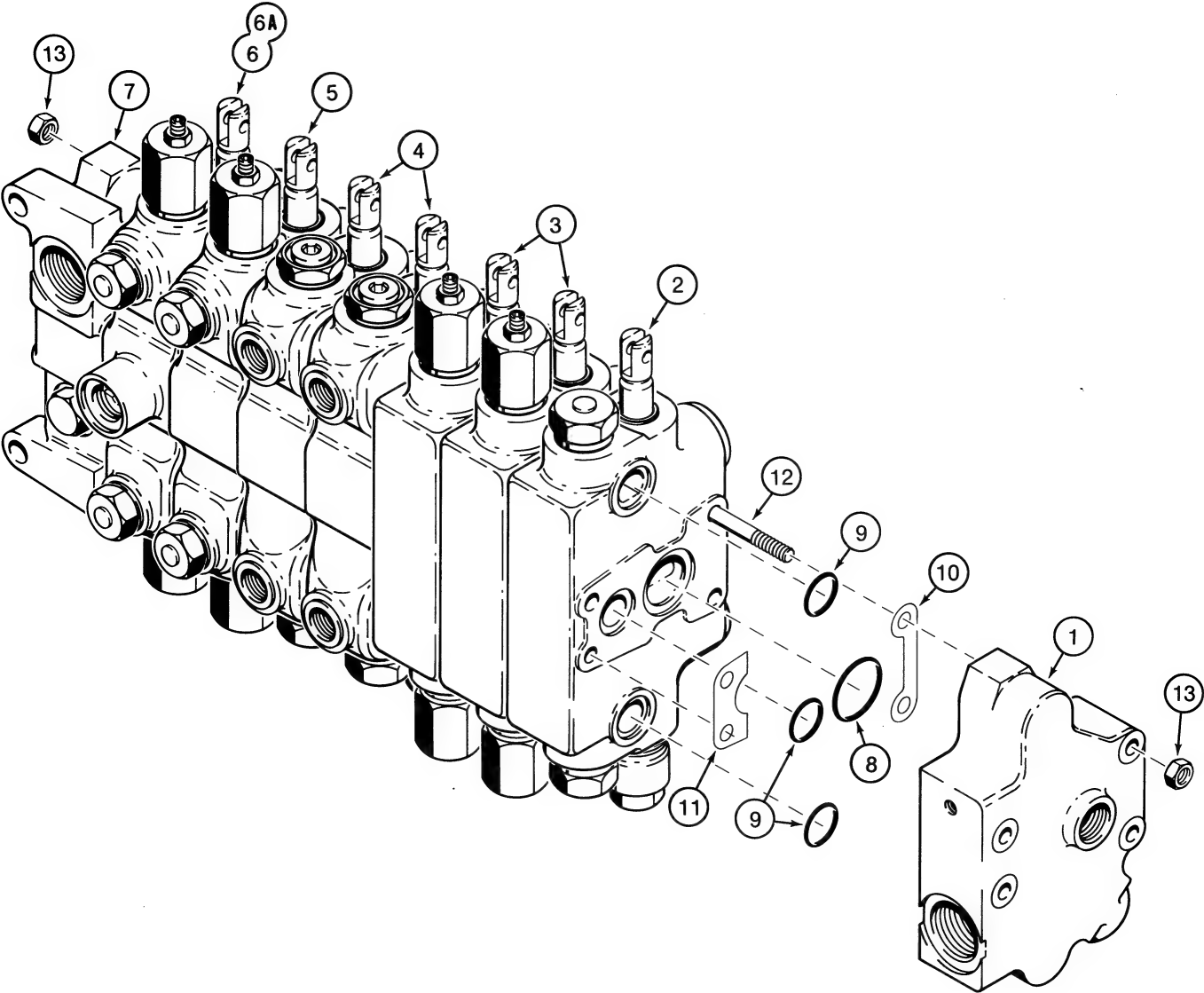
NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.



BACKHOE CONTROL VALVES

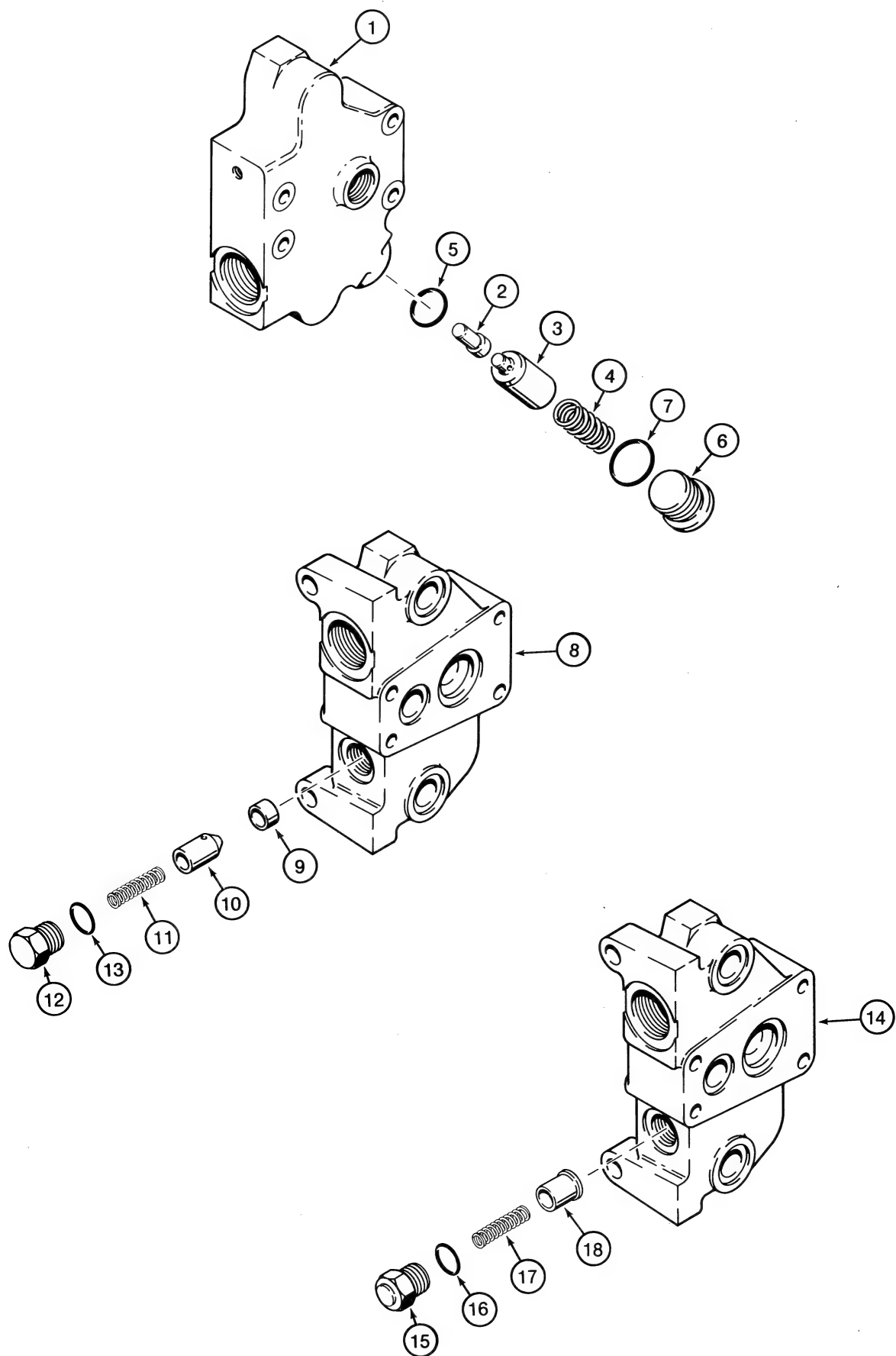
MODELS WITHOUT EXTENDABLE DIPPER

REF.	PART NO.	DESCRIPTION	REQD.
	1986801C3	VALVE ASSEMBLY - backhoe control, 6 spool, foot swing (replaces 1986801C2).....	1
	1986800C3	VALVE ASSEMBLY - backhoe control, 6 spool, hand swing (replaces 1986800C2).....	1
1	G109759	SECTION ASSEMBLY - outlet, parts list page 8-85	1
2	1986504C4	SECTION ASSEMBLY - bucket and dipper, parts list page 8-87	2
3	G109567	SECTION ASSEMBLY - stabilizer, left-hand and right-hand, parts list page 8-89	2
4	1986832C3	SECTION ASSEMBLY - boom, parts list pages 8-91 and 8-93 (replaces 1986832C2).....	1
5	1986833C2	SECTION ASSEMBLY - swing, used with 1986801C2 or 1986801C3 foot swing control valve assembly, with heavy swing spring, parts list pages 8-95 and 8-97	1
5A	1986834C2	SECTION ASSEMBLY - swing, used with 1986800C2 or 1986800C3 hand swing control valve assembly, parts list pages 8-95 and 8-97.....	1
6	REF	SECTION ASSEMBLY - inlet, for correct assembly and components, see page 8-85	1
7	*238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	7
8	*238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small.....	21
9	G107251	SHIM - section.....	7
10	G33965	SHIM - section.....	7
11	G108900	STUD - tie, 3/8 NC x 16-15/16 inch.....	4
12	425-106	NUT - hex, 3/8 inch NC.....	8
	*1346107C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required in this application.....	1



BACKHOE CONTROL VALVES**MODELS WITH EXTENDABLE DIPPER OR AUXILIARY HYDRAULICS
FOR OPTIONAL REAR HYDRAULIC ATTACHMENTS**

REF.	PART NO.	DESCRIPTION	REQD.
	1986803C3	VALVE ASSEMBLY - backhoe control, 7 spool, foot swing (replaces 1986803C2).....	1
	1986802C3	VALVE ASSEMBLY - backhoe control, 7 spool, hand swing (replaces 1986802C2).....	1
1	G109759	SECTION ASSEMBLY - outlet, parts list page 8-85	1
2	1986584C3	SECTION ASSEMBLY - dipper extension, parts list page 8-99	1
3	1986504C4	SECTION ASSEMBLY - bucket and dipper, parts list page 8-87	2
4	G109567	SECTION ASSEMBLY - stabilizer, left-hand and right-hand, parts list page 8-89	2
5	1986832C3	SECTION ASSEMBLY - boom, parts list pages 8-91 and 8-93 (replaces 1986832C2).....	1
6	1986833C2	SECTION ASSEMBLY - swing, used with 1986803C2 or 1986803C3 foot swing control valve assembly, with heavy swing spring, parts list pages 8-95 and 8-97	1
6A	1986834C2	SECTION ASSEMBLY - swing, used with 1986802C2 or 1986802C3 hand swing control valve assembly, parts list pages 8-95 and 8-97	1
7	REF	SECTION ASSEMBLY - inlet, for correct assembly and components, see page 8-85.....	1
8	*238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	8
9	*238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small	24
10	G107251	SHIM - section.....	8
11	G33965	SHIM - section.....	8
12	G108899	STUD - tie, 3/8 NC x 18-15/16 inch.....	4
13	425-106	NUT - hex, 3/8 inch NC.....	8
	*1346107C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1



580 Super K Construction King Loader Backhoe
BACKHOE CONTROL VALVE
INLET AND OUTLET SECTIONS

8-85

REF.	PART NO.	DESCRIPTION	REQD.
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OUTLET SECTION

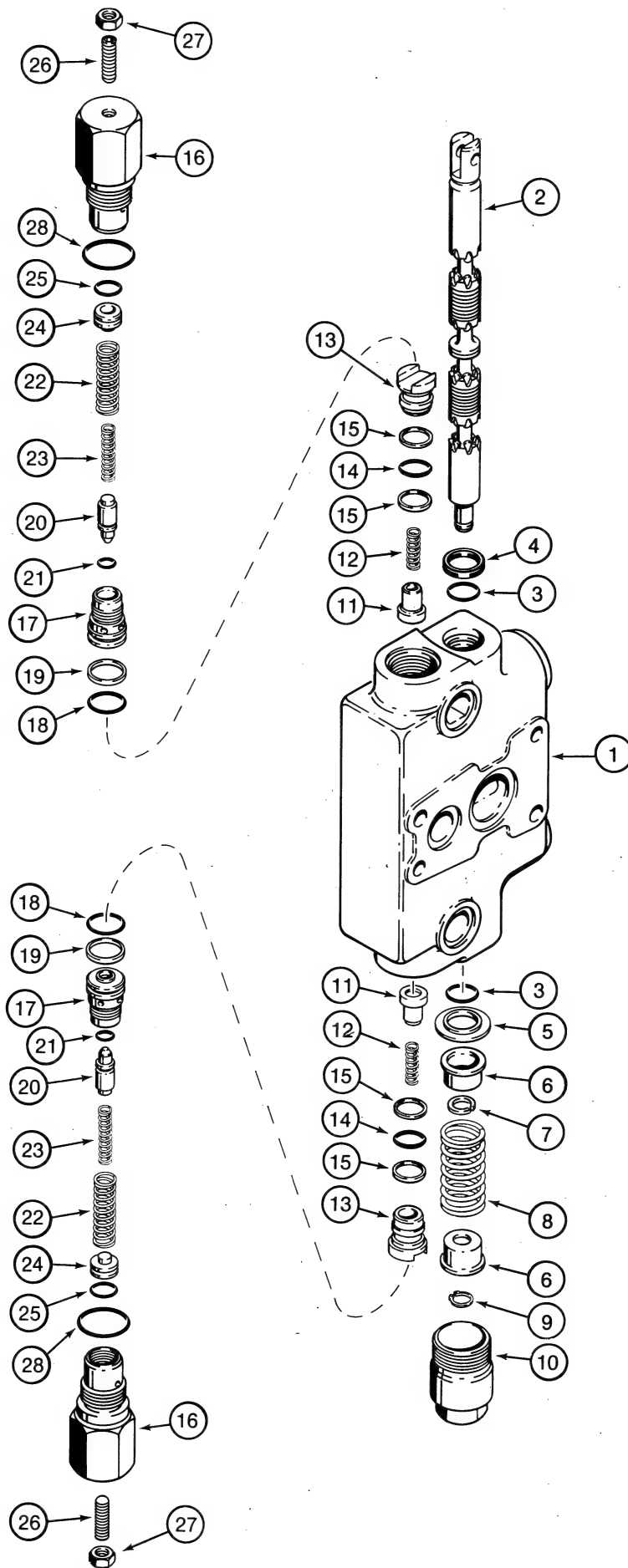
	G109759	SECTION ASSEMBLY - outlet.....	1
1	G109760	MANIFOLD - section body	1
2	G108902	PISTON - regeneration sensing	1
3	G34586	SPOOL - regeneration	1
4	G33112	SPRING - regeneration spool.....	1
5	238-5118	O-RING - 7/8 ID x 3/32 inch wide.....	1
6	218-5213	PLUG - hex socket, 1-3/16-12 inch O-ring boss	1
7	237-6014	O-RING - 1-3/64 ID x 1/64 inch wide	1

INLET SECTION

	G109719	SECTION ASSEMBLY - inlet, if used	1
8	G109718	MANIFOLD - section body	1
9	G33104	SEAT - check valve poppet.....	1
10	G33105	POPPET - check valve	1
11	1542669C1	SPRING - check valve (replaces G33106 spring)	1
12	A39586	PLUG - check valve.....	1
13	237-6010	O-RING - 3/4 ID x 3/32 inch wide.....	1

INLET SECTION

	1542829C1	SECTION ASSEMBLY - inlet, if used	1
14	NSS	MANIFOLD - section body	1
	1346221C1	VALVE - anticavitation (order items 15-18)	1
15	G34937	PLUG - check valve	1
16	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
17	G34458	SPRING - check valve	1
18	G34938	POPPET - check valve.....	1

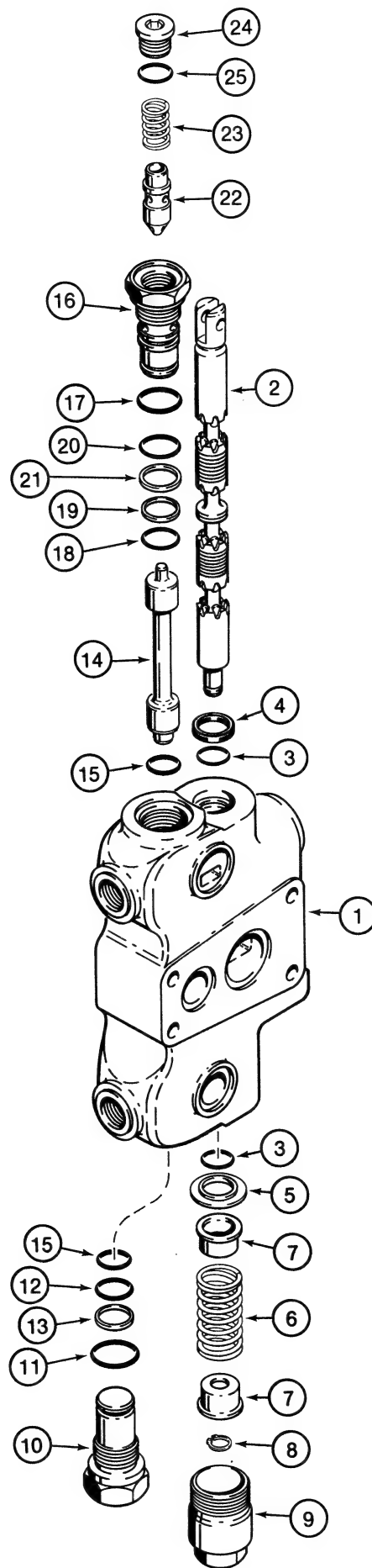


580 Super K Construction King Loader Backhoe
BACKHOE CONTROL VALVE
BUCKET AND DIPPER SECTIONS

8-87

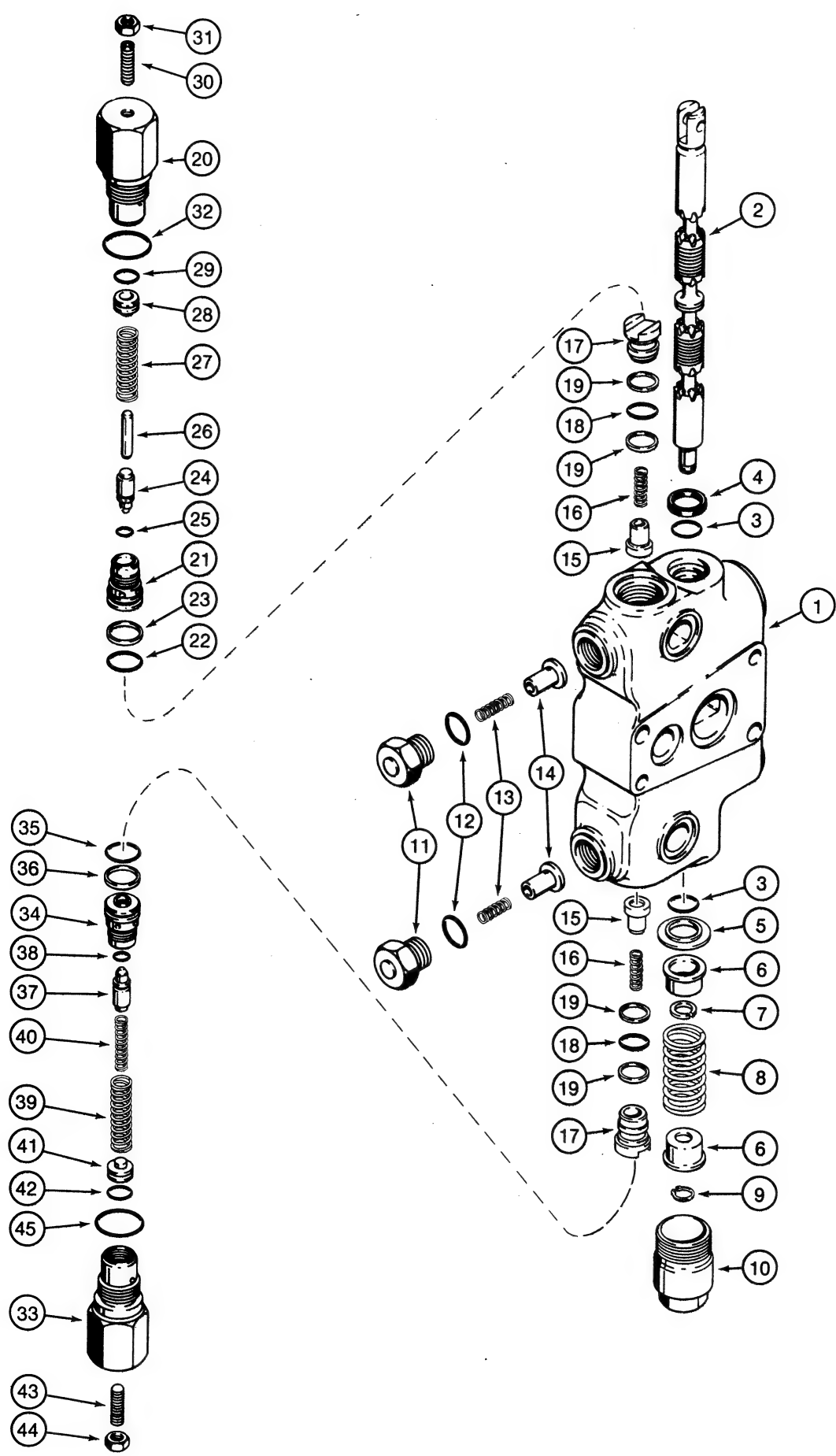
REF.	PART NO.	DESCRIPTION	REQD.
	1986504C4	SECTION ASSEMBLY - bucket and dipper, with circuit relief valves.....	2
1	NSS	HOUSING - bucket and dipper sections	1
2	NSS	SPOOL - bucket and dipper sections.....	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	*65457C1	SEAL - oil, spool.....	1
5	G102711	RETAINER - O-ring.....	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool	1
8	1994596C1	SPRING - centering, spool.....	1
9	G33077	RING - snap, spool end.....	1
10	G33080	CAP - spool end.....	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
11	1343777C1	POPPET - hollow poppet pin with orifice, load check.....	1
12	1346175C1	SPRING - load check	1
13	1343708C1	PLUG - load check	1
14	*238-6016	O-RING - plug (replaces G110020)	1
15	*G103862	RING - backup, plug O-ring	2
	**G109391	VALVE ASSEMBLY - circuit relief, bucket and dipper sections, used in production, order G109449 kit for service.....	2
16	NSS	HOUSING - circuit relief valve	1
17	NSS	SEAT - circuit relief valve.....	1
18	*238-6018	O-RING - circuit relief valve seat.....	1
19	*G35540	RING - backup, seat O-ring	1
20	NSS	POPPET - circuit relief valve.....	1
21	238-5011	O-RING - poppet (replaces A28090 O-ring)	1
22	NSS	SPRING - relief, outer	1
23	NSS	SPRING - relief, inner.....	1
24	NSS	PISTON - circuit relief valve.....	1
25	238-6014	O-RING - 1/2 ID x 1/16 inch wide	1
26	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point ..	1
27	425-155	NUT - hex jam, 5/16 inch NF	1
28	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, housing	1
	*1346105C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1
	**G109449	KIT - service for G109391 circuit relief valve, kit includes an instruction sheet and G109447 circuit relief valve (items 16-28) which is the same as G109391 except with a different pressure setting.....	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.



BACKHOE CONTROL VALVE **LEFT-HAND AND RIGHT-HAND STABILIZER SECTIONS**

REF.	PART NO.	DESCRIPTION	REQD.
	G109567	SECTION ASSEMBLY - left-hand and right-hand stabilizer, with lock check.....	2
1	NSS	HOUSING - left-hand and right-hand stabilizer sections	1
2	NSS	SPOOL - left-hand and right-hand stabilizer sections	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	*65457C1	SEAL - oil, spool.....	1
5	G102711	RETAINER - O-ring.....	1
6	G34463	SPRING - centering, spool.....	1
7	G33075	SEAT - centering spring.....	2
8	G33077	RING - snap, spool end.....	1
9	G33080	CAP - spool end.....	1
	G33122	PLUG ASSEMBLY - relief	1
10	NSS	PLUG - relief	1
11	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, large.....	1
12	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, small	1
13	G35540	RING - backup, small O-ring.....	1
14	1986754C1	SPOOL - shuttle, lock check.....	1
15	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, shuttle spool.....	2
	G109627	PLUG ASSEMBLY - lock check	1
16	NSS	SEAT - lock check body.....	1
17	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, seat plug end	1
18	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, small, seat lock check end	1
19	*G35540	RING - backup, small O-ring.....	1
20	*238-6019	O-RING - seat, center.....	1
21	*G110468	RING - backup, center O-ring	1
22	NSS	POPPET - lock check	1
23	G109630	SPRING - lock check.....	1
24	218-5210	PLUG - hex socket, 3/4-16 inch O-ring boss.....	1
25	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
	*1346106C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1



BACKHOE CONTROL VALVE**BOOM SECTION**

REF.	PART NO.	DESCRIPTION	REQD.
	1986832C3	SECTION ASSEMBLY - boom, with circuit relief valves and anticavitation valves (replaces 1986832C2).....	1
1	NSS	HOUSING - boom section, may have one or two anticavitation ports	1
2	NSS	SPOOL - boom section.....	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	*65457C1	SEAL - oil, spool.....	1
5	G102711	RETAINER - O-ring.....	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool	1
8	1994596C1	SPRING - centering, spool.....	1
9	G33077	RING - snap, spool end	1
10	G33080	CAP - spool end.....	1
	1346221C1	VALVE ASSEMBLY - anticavitation (order items 11-14)	1-2
11	G34937	PLUG - anticavitation valve	1
12	*237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
13	G34458	SPRING - anticavitation valve.....	1
14	G34938	POPPET - anticavitation valve	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
15	1343777C1	POPPET - hollow poppet pin with orifice, load check.....	1
16	1346175C1	SPRING - load check	1
17	1343708C1	PLUG - load check.....	1
18	*238-6016	O-RING - plug (replaces G110020)	1
19	*G103862	RING - backup, plug O-ring	2
	**G110253	VALVE ASSEMBLY - circuit relief, upper, boom section, used in production, order G109448 kit for service.....	1
20	NSS	HOUSING - circuit relief valve	1
21	NSS	SEAT - circuit relief valve.....	1
22	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, circuit relief valve seat	1
23	*G35540	RING - backup, seat O-ring	1
24	NSS	POPPET - circuit relief valve.....	1
25	NSS	O-RING - poppet	1
26	NSS	PIN - stop, relief.....	1
27	NSS	SPRING - circuit relief valve	1
28	NSS	PISTON - circuit relief valve.....	1
29	NSS	O-RING - piston.....	1
30	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point ..	1
31	425-155	NUT - hex jam, 5/16 inch NF	1
32	*237-6012	O-RING - 5/8 ID x 7/64 inch wide, large, housing.....	1

*1346105C1

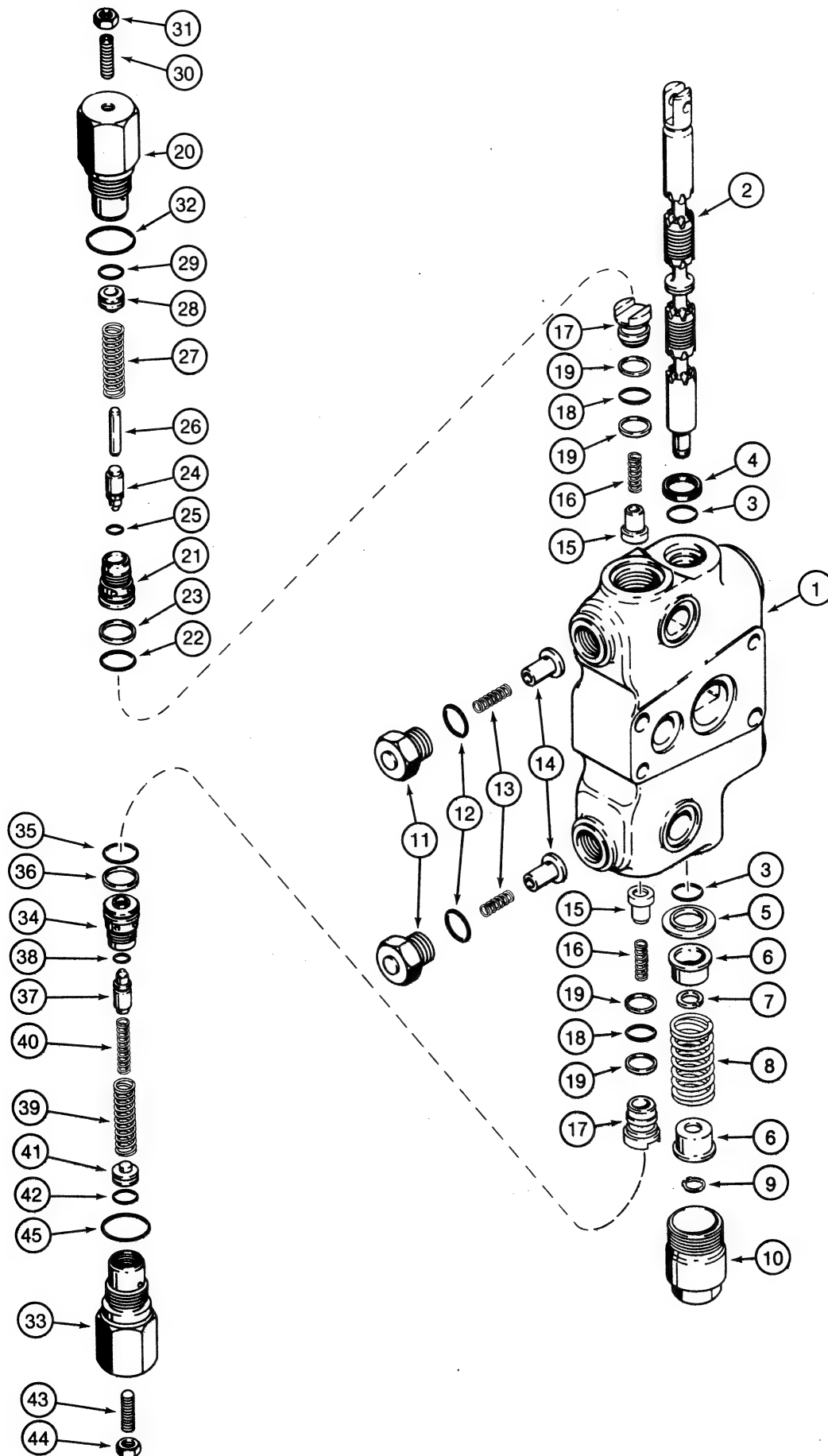
KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required in this application 1

**G109448

KIT - service for G110253 circuit relief valve, kit includes an instruction sheet and G109446 circuit relief valve (items 20-32) which is the same as G110253 except with a different pressure setting 1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

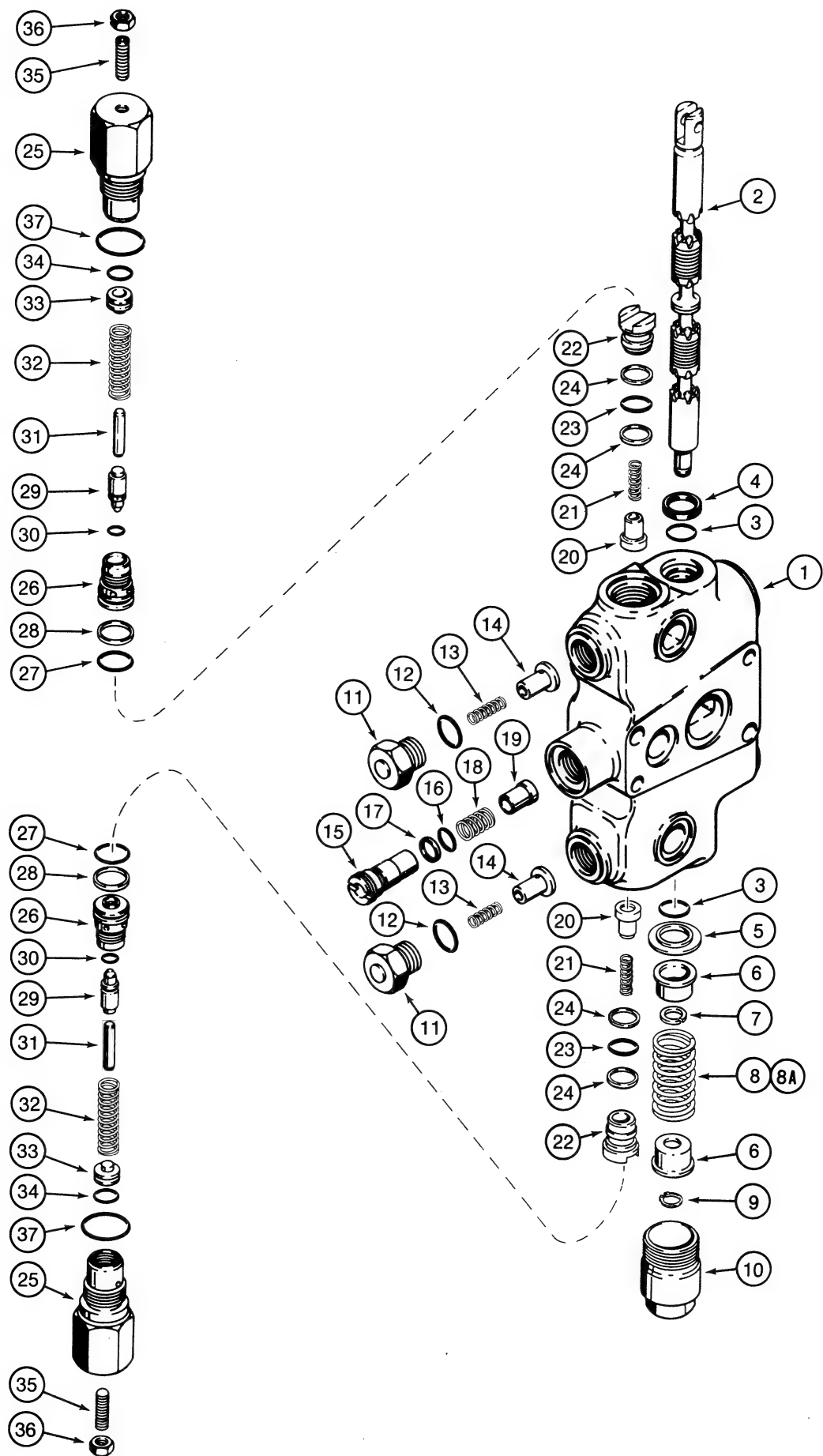
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BACKHOE CONTROL VALVE**BOOM SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	1986832C3	SECTION ASSEMBLY - boom, with circuit relief and anticavitation valves, continued from previous page (replaces 1986832C2)	1
	*G110467	VALVE ASSEMBLY - circuit relief, lower, boom section, used in production, order G110077 kit for service	1
33	NSS	HOUSING - circuit relief valve	1
34	NSS	SEAT - circuit relief valve	1
35	**238-6018	O-RING - 3/4 ID x 1/16 inch wide, circuit relief valve seat	1
36	**G35540	RING - backup, seat O-ring	1
37	NSS	POPPET - circuit relief valve	1
38	NSS	O-RING - poppet	1
39	NSS	SPRING - relief, outer	1
40	NSS	SPRING - relief, inner	1
41	NSS	PISTON - circuit relief valve	1
42	NSS	O-RING - piston	1
43	484-43120	SCREW - set, hex socket headless, 5/16 NF x 1-1/4 inch, oval point	1
44	425-155	NUT - hex, jam, 5/16 inch NF	1
45	**237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing	1
	*G110077	KIT - service for G110467 circuit relief valve, kit includes an instruction sheet and G110078 circuit relief valve (items 33-45) which is the same as G110467 except with a different pressure setting	1
	**1346105C1	KIT - seal, includes above items marked with a double asterisk, plus additional O-rings not required for this application	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

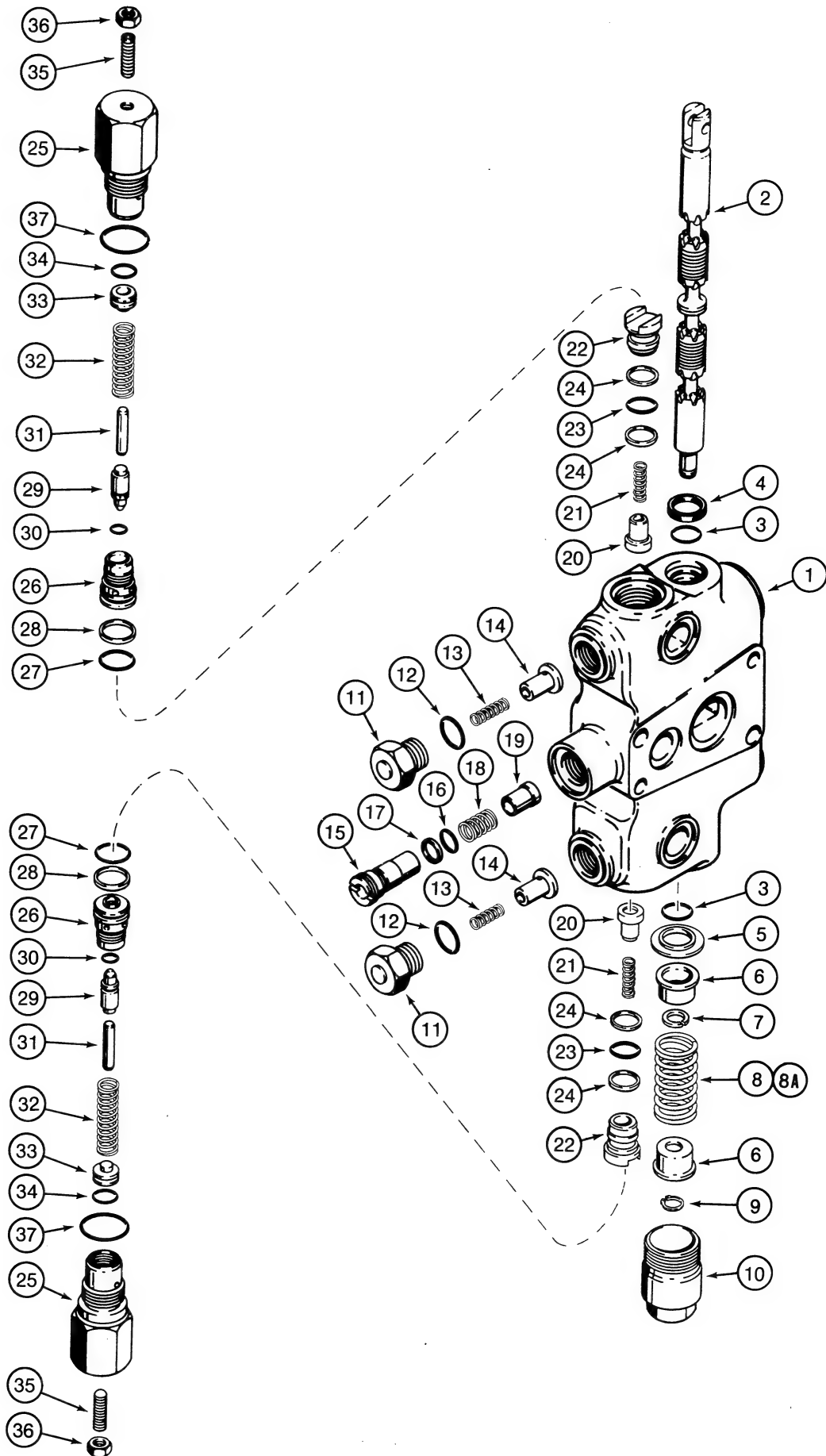


BACKHOE CONTROL VALVE

SWING SECTIONS

REF.	PART NO.	DESCRIPTION	REQD.
	1986833C2	SECTION ASSEMBLY - swing, with heavy swing spring (item 8), used in 1986801C2, 1986801C3 or 1986803C2 or 1986803C3 foot swing control valves, with circuit relief and anticavitation valves.....	1
	1986834C2	SECTION ASSEMBLY - swing, uses item 8A spring, used in 1986800C2, 1986800C3, or 1986802C2 or 1986802C3 hand swing control valves, with circuit relief and anticavitation valves.....	1
1	NSS	HOUSING - swing section	1
2	NSS	SPOOL - swing section	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	*65457C1	SEAL - oil, spool.....	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool	1
8	1986722C1	SPRING - centering, spool, black, 2-1/4 inch free length, used in 1986833C2 swing section.....	1
8A	1994596C1	SPRING - centering, spool, purple, 2-15/16 inch free length, used in 1986834C2 swing section.....	1
9	G33077	RING - snap, spool end	1
10	G33080	CAP - spool end	1
	1346221C1	VALVE ASSEMBLY - anticavitation (order items 11-14)	2
11	G34937	PLUG - anticavitation valve	1
12	*237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
13	G34458	SPRING - anticavitation valve	1
14	G34938	POPPET - anticavitation valve	1
	1346222C1	VALVE ASSEMBLY - check	1
15	G109964	HOUSING - valve check	1
16	238-6015	O-RING - 9/16 ID x 1/16 inch wide	1
17	*G108723	RING - backup, O-ring	1
18	G109971	SPRING - valve check	1
19	1978068C1	POPPET - valve check	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
20	1343777C1	POPPET - hollow poppet pin with orifice, load check	1
21	1346175C1	SPRING - load check	1
22	1343708C1	PLUG - load check	1
23	*238-6016	O-RING - plug (replaces G110020)	1
24	*G103862	RING - backup, plug O-ring	2
	*1346105C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1

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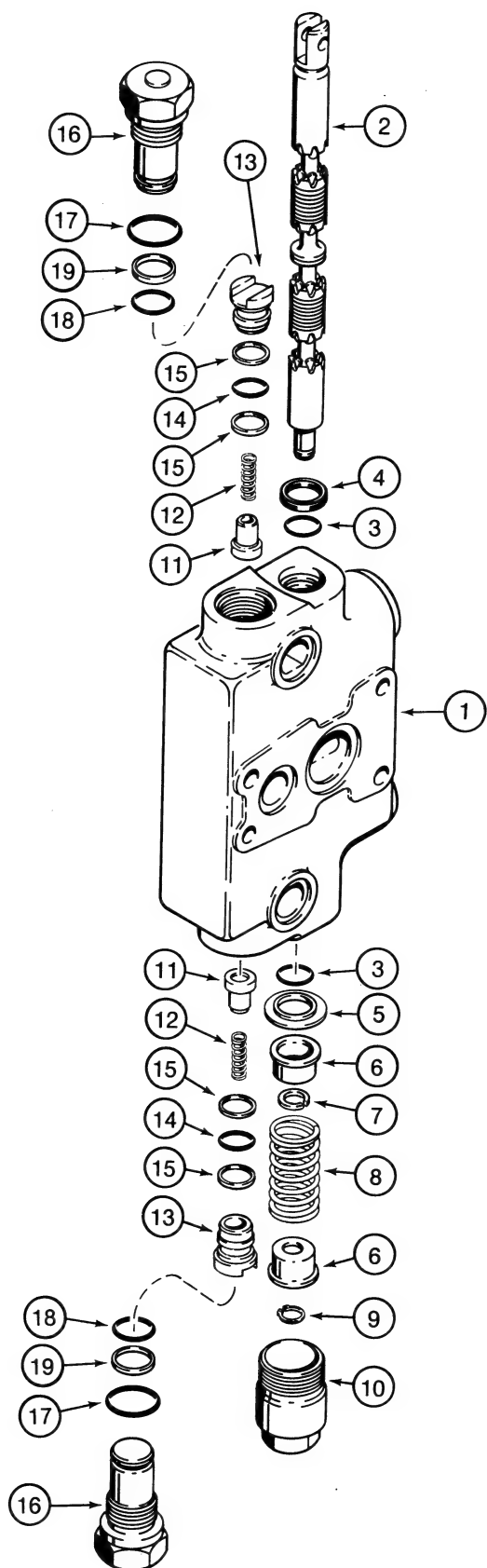


BACKHOE CONTROL VALVE

SWING SECTION

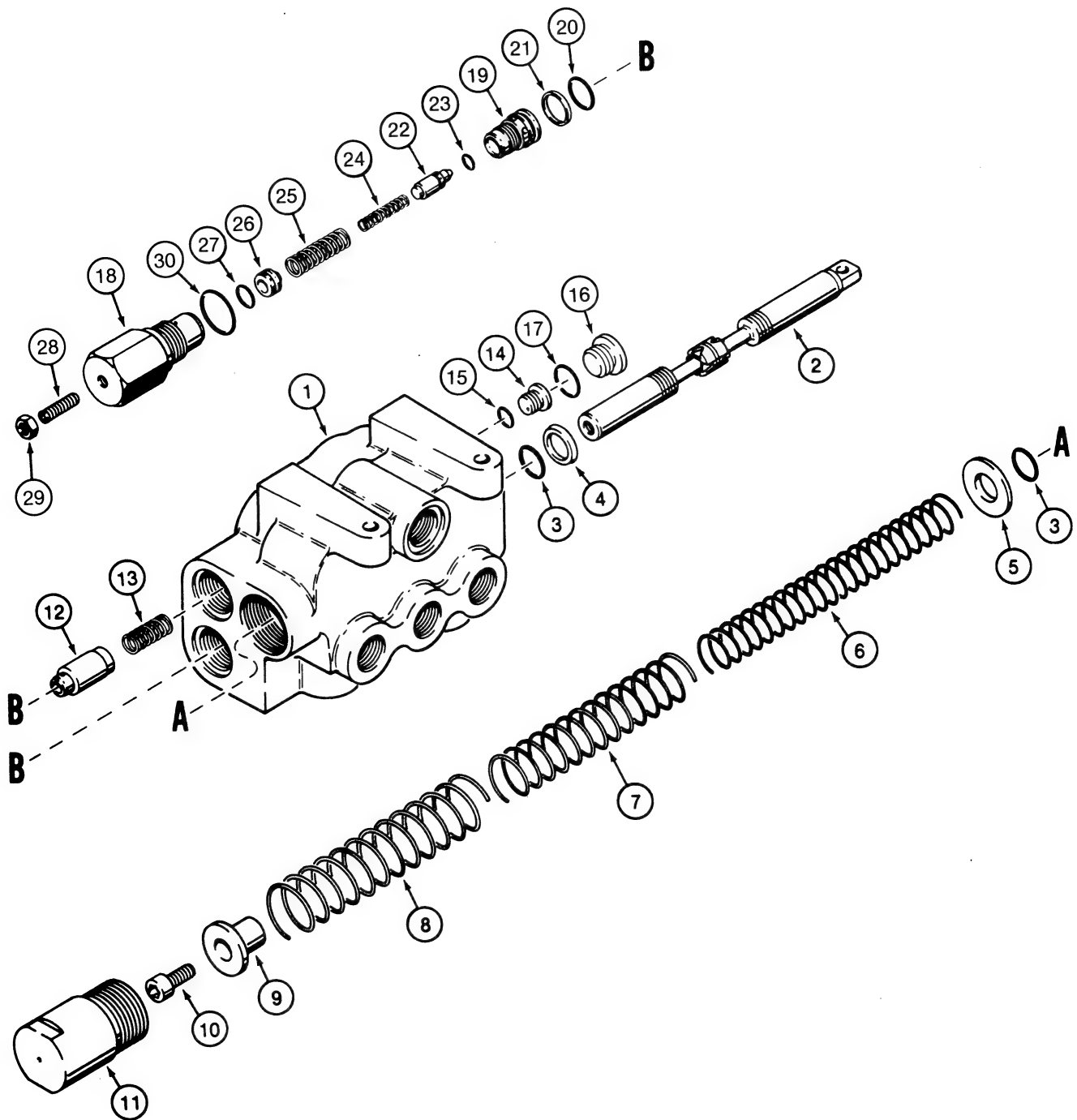
REF.	PART NO.	DESCRIPTION	REQD.
	REF	SECTION ASSEMBLY - swing, continued from previous page	1
	*G110253	VALVE ASSEMBLY - circuit relief, swing section, used in production, order G109448 kit for service	2
25	NSS	HOUSING - circuit relief valve	1
26	NSS	SEAT - circuit relief valve	1
27	**238-6018	O-RING - 3/4 ID x 1/16 inch wide	1
28	**G35540	RING - backup, seat O-ring	1
29	NSS	POPPET - circuit relief valve	1
30	NSS	O-RING - poppet	1
31	NSS	PIN - stop, relief	1
32	NSS	SPRING - circuit relief valve	1
33	NSS	PISTON - circuit relief valve	1
34	NSS	O-RING - piston	1
35	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point	1
36	425-155	NUT - hex, jam, 5/16 inch NF	1
37	**237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing	1
	*G109448	KIT - service for G110253 circuit relief valve, kit includes an instruction sheet and G109446 circuit relief valve (items 25-37) which is the same as G110253 except with a different pressure setting	1
	**1346105C1	KIT - seal, includes above items marked with a double asterisk, plus additional O-rings not required for this application	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.



BACKHOE CONTROL VALVE**DIPPER EXTENSION SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	1986584C3	SECTION ASSEMBLY - dipper extension.....	1
1	NSS	HOUSING - dipper extension section.....	1
2	NSS	SPOOL - dipper extension section	1
3	*1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	*65457C1	SEAL - oil, spool.....	1
5	G102711	RETAINER - O-ring.....	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool	1
8	1994596C1	SPRING - centering, spool.....	1
9	G33077	RING - snap, spool end	1
10	G33080	CAP - spool end.....	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
11	1343777C1	POPPET - hollow poppet pin with orifice, load check	1
12	1346175C1	SPRING - load check	1
13	1343708C1	PLUG - load check	1
14	*238-6016	O-RING - plug (replaces G110020)	1
15	*G103862	RING - backup, plug O-ring	2
	G33122	PLUG ASSEMBLY - relief	2
16	NSS	PLUG - relief	1
17	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, plug, large.....	1
18	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, plug, small	1
19	*G35540	RING - backup, small O-ring.....	1
	*1346105C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.....	1

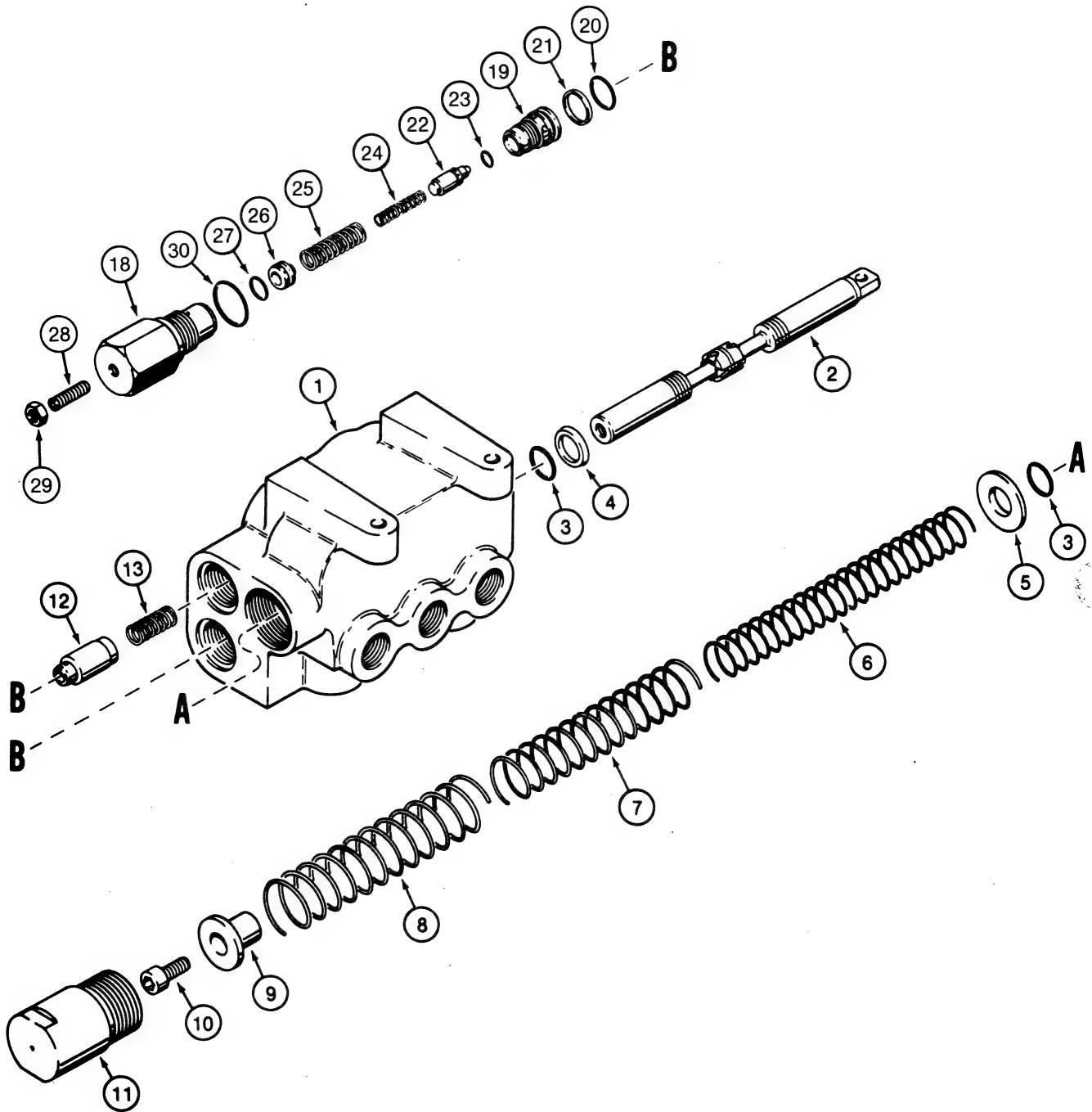


580 Super K Construction King Loader Backhoe BACKHOE SWING SEQUENCE VALVE

8-101

REF.	PART NO.	DESCRIPTION	REQD.
	1980440C1	VALVE ASSEMBLY - backhoe swing sequence, no longer available, order 1346067C1 valve on page 8-101B, plus D150889 tube for six spool backhoe valves or D150896 tube for seven spool backhoe valves, see page 8-27 for tubes	1
1	NSS	HOUSING - backhoe swing sequence valve.....	1
2	NSS	SPOOL - backhoe swing sequence valve	1
3	1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	65457C1	SEAL - oil, spool.....	1
5	G108896	RETAINER - O-ring.....	1
6	G108895	SPRING - inner	1
7	G108892	SPRING - center	1
8	G108891	SPRING - outer.....	1
9	G108893	SEAT - spring	1
10	61-612	BOLT - hex socket head, 3/8 NC x 3/4 inch	1
11	G108894	CAP - spool end.....	1
12	G108017	SPOOL - shuttle, orifice.....	1
13	G107174	SPRING - shuttle spool	1
14	218-5209	PLUG - hex socket, 9/16-18 inch O-ring boss	1
15	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
16	218-5212	PLUG - hex socket, 1-1/16-12 inch O-ring boss	1
17	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
	*G110467	VALVE ASSEMBLY - circuit relief, 4400 psi, spool capped end, used in production, order G110077 kit for service.....	2
18	NSS	HOUSING - circuit relief valve	1
19	NSS	SEAT - circuit relief valve.....	1
20	238-6018	O-RING - circuit relief valve seat (replaces G107675).....	1
21	G35540	RING - backup, seat O-ring	1
22	NSS	POPPET - circuit relief valve.....	1
23	NSS	O-RING - poppet	1
24	NSS	SPRING - relief, inner.....	1
25	NSS	SPRING - relief, outer	1
26	NSS	PISTON - circuit relief valve.....	1
27	NSS	O-RING - piston.....	1
28	484-43120	SCREW - set, hex socket headless, 5/16 NF x 1-1/4 inch, oval point	1
29	425-155	NUT - hex, jam, 5/16 inch NF	1
30	237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing.....	1
	*G110077	KIT - service for G110467 circuit relief valve, kit includes an instruction sheet and G110078 circuit relief valve (items 18-30) which is the same as G110467 except with a different pressure setting.....	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

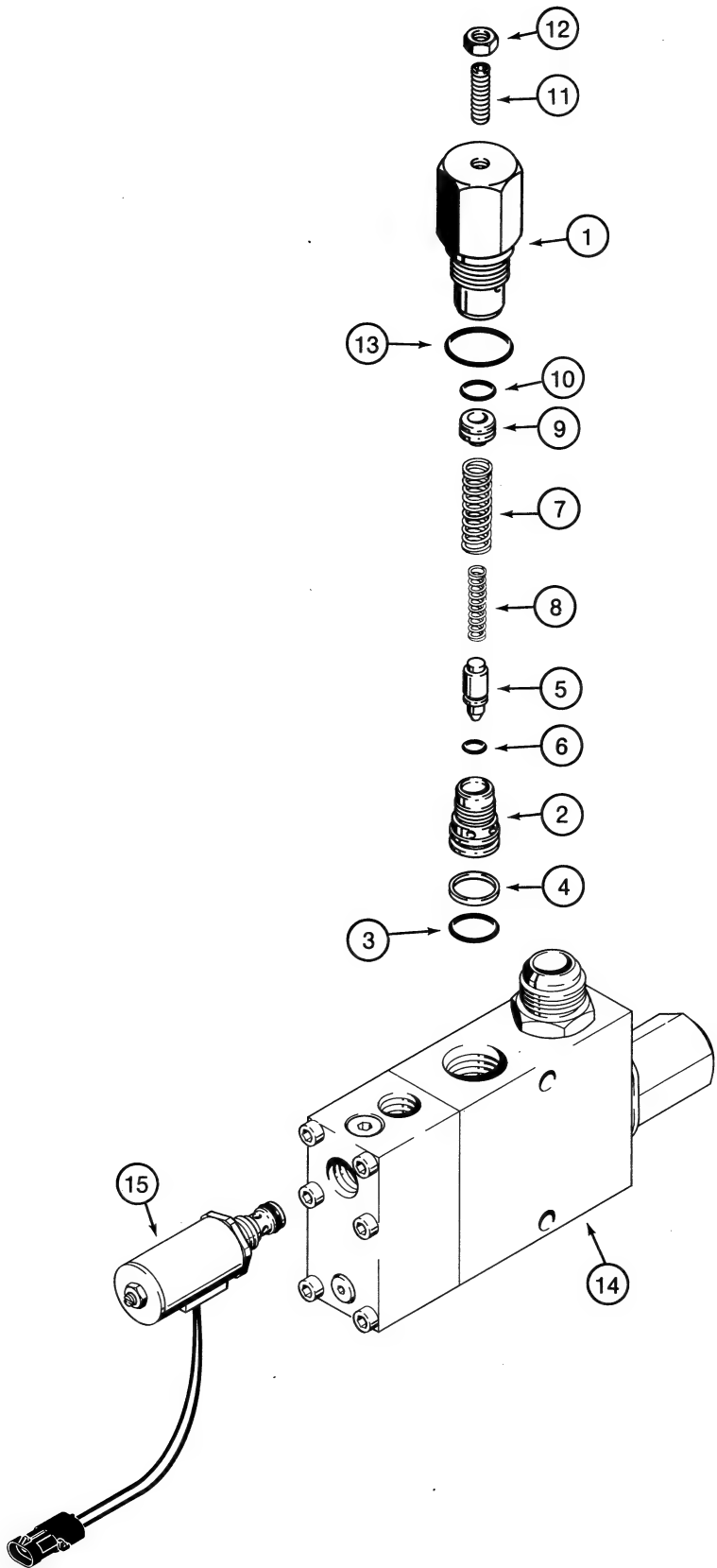


580 Super K Construction King Loader Backhoe BACKHOE SWING SEQUENCE VALVE

8-101B

REF.	PART NO.	DESCRIPTION	REQ'D.
	1346067C1	VALVE ASSEMBLY - backhoe swing sequence, used with D150889 tube for six spool backhoe valves or D150896 tube for seven spool backhoe valves, see page 8-27 for tubes	1
1	NSS	HOUSING - backhoe swing sequence valve.....	1
2	NSS	SPOOL - backhoe swing sequence valve	1
3	1994608C1	O-RING - spool (replaces G108461 O-ring).....	2
4	65457C1	SEAL - oil, spool.....	1
5	G108896	RETAINER - O-ring.....	1
6	G108895	SPRING - inner.....	1
7	G108892	SPRING - center.....	1
8	G108891	SPRING - outer.....	1
9	G108893	SEAT - spring.....	1
10	61-33812	BOLT - hex socket head, 3/8 NC x 3/4 inch	1
11	G108894	CAP - spool end.....	1
12	G108017	SPOOL - shuttle, orifice.....	1
13	G107174	SPRING - shuttle spool.....	1
	*G110467	VALVE ASSEMBLY - circuit relief, 4400 psi, spool capped end, used in production, order G110077 kit for service.....	2
18	NSS	HOUSING - circuit relief valve	1
19	NSS	SEAT - circuit relief valve.....	1
20	238-6018	O-RING - circuit relief valve seat (replaces G107675).....	1
21	G35540	RING - backup, seat O-ring	1
22	NSS	POPPET - circuit relief valve.....	1
23	NSS	O-RING - poppet.....	1
24	NSS	SPRING - relief, inner.....	1
25	NSS	SPRING - relief, outer	1
26	NSS	PISTON - circuit relief valve.....	1
27	NSS	O-RING - piston.....	1
28	484-43120	SCREW - set, hex socket headless, 5/16 NF x 1-1/4 inch, oval point	1
29	425-155	NUT - hex, jam, 5/16 inch NF	1
30	237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing.....	1
	*G110077	KIT - service for G110467 circuit relief valve, kit includes an instruction sheet and G110078 circuit relief valve (items 18-30) which is the same as G110467 except with a different pressure setting.....	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

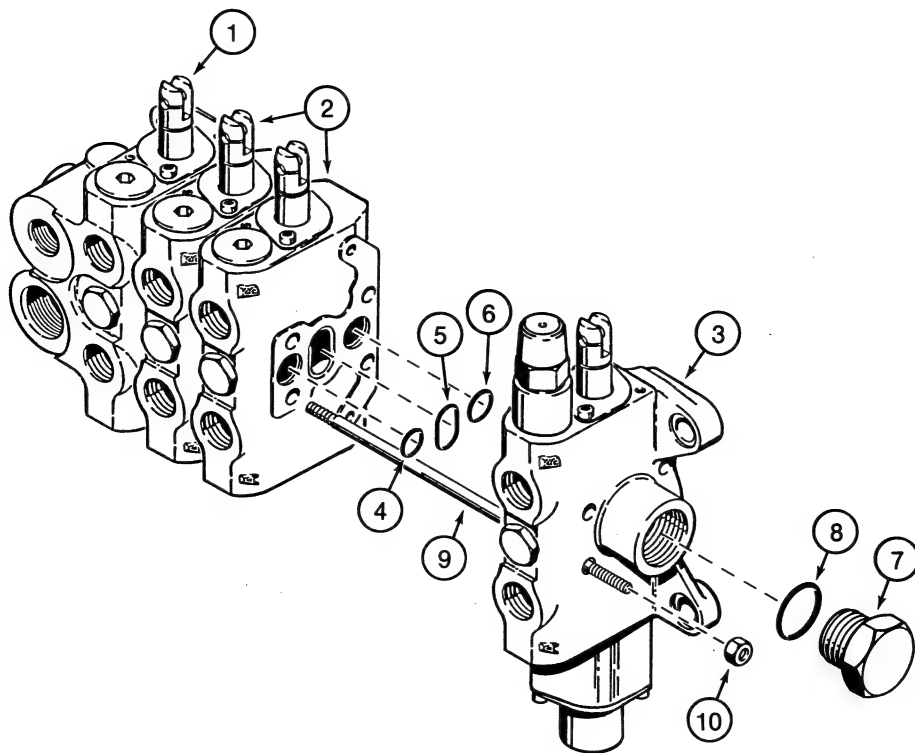


580 Super K Construction King Loader Backhoe BOOM LOCK SOLENOID VALVE

8-103

REF.	PART NO.	DESCRIPTION	REQ'D.
	D150443	VALVE ASSEMBLY - solenoid, backhoe boom lock, includes (2) 321-6046 warning decals, see page 9-171 for decal, item 25.....	1
	*G110467	RELIEF ASSEMBLY - circuit, solenoid, used in production, order G110077 kit for service.....	1
1	NSS	BODY - relief valve.....	1
2	NSS	SEAT - relief valve.....	1
3	238-6018	O-RING - relief valve seat (replaces G107675)	1
4	G35540	RING - backup, seat O-ring	1
5	NSS	POPPET - relief valve.....	1
6	NSS	O-RING - poppet	1
7	NSS	SPRING - relief, outer	1
8	NSS	SPRING - relief, inner.....	1
9	NSS	PISTON - relief valve.....	1
10	NSS	O-RING - piston.....	1
11	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point ..	1
12	129-162	NUT - hex, jam, 5/16" - 24 NF, plated.....	1
13	237-6012	O-RING - large, body	1
14	NSS	BODY - solenoid.....	1
15	D150809	SOLENOID - relief, 12 volt, with connector	1
	D150781	KIT - repair, includes (3) springs, (1) ball, (1) poppet, and (1) plug which are not serviced separately and D150810 seal kit, not shown, see your 580 Super K Service Manual for location of seals and springs.....	1
	D150810	KIT - seal, includes (9) O-rings and (2) backup rings which are not serviced separately, not shown.....	1
	*G110077	KIT - service for G110467 circuit relief valve, includes G110078 circuit relief valve assembly (items 1 through 13) and an instruction sheet.....	1

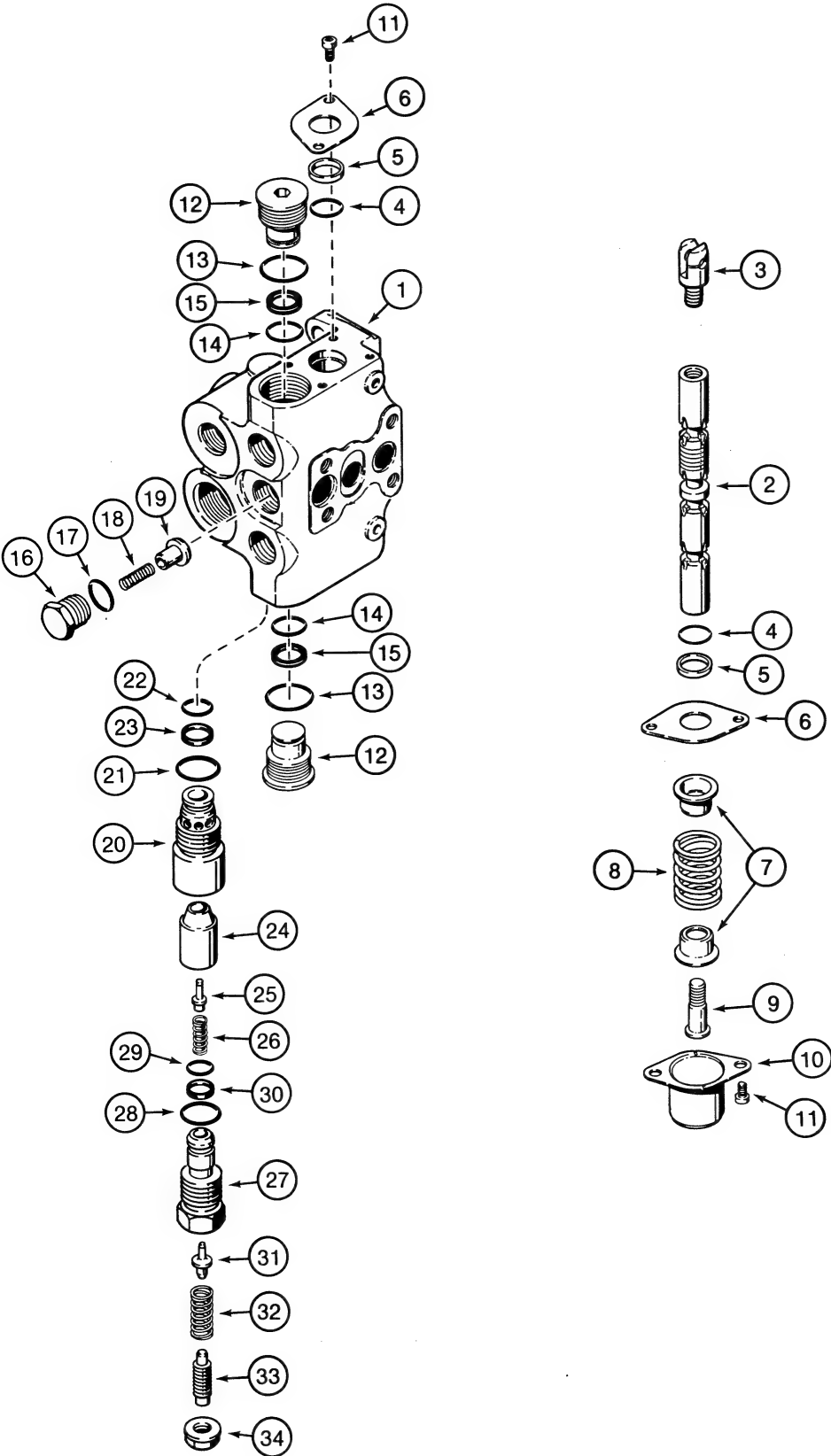
***NOTE:** The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve.



580 Super K Construction King Loader Backhoe
THREE-POINT HITCH CONTROL VALVE

8-105

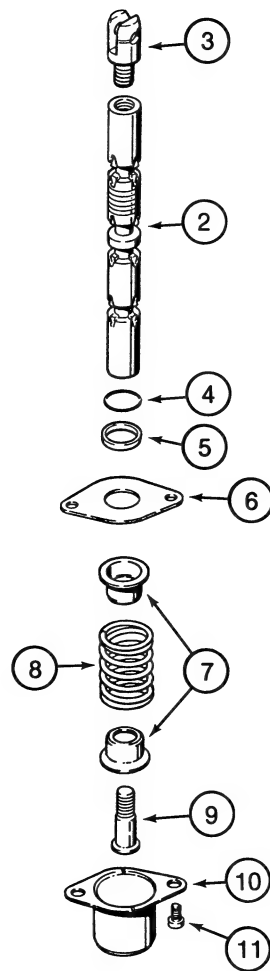
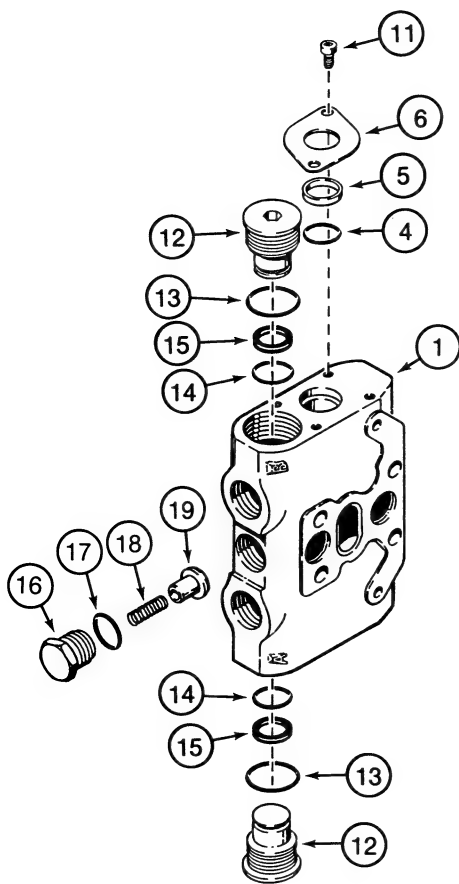
REF.	PART NO.	DESCRIPTION	REQ'D.
	D141297	VALVE ASSEMBLY - three-point hitch control, four spool	1
1	N14263	SECTION ASSEMBLY - inlet-outlet and implement, parts list page 8-107	1
2	N14268	SECTION ASSEMBLY - tilt and pitch, parts list page 8-109	2
3	N14269	SECTION ASSEMBLY - lift, parts list pages 8-111 and 8-113	1
	N14286	KIT - seal	3
4	NSS	O-RING - between sections, port side of control valve	1
5	NSS	O-RING - between sections, center	1
6	NSS	O-RING - between sections, non-port side of control valve	1
7	218-5158	PLUG - hex, 1-1/16-12 inch O-ring boss, lift section	1
8	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
	N14287	KIT - tie bolt	1
9	NSS	BOLT - tie, special, to internal threaded bolt holes in inlet-outlet section	4
10	NSS	NUT - self-locking, 6 mm - 1.25, tie bolt	4



**580 Super K Construction King Loader Backhoe
THREE-POINT HITCH CONTROL VALVE
INLET-OUTLET AND IMPLEMENT SECTION**

8-107

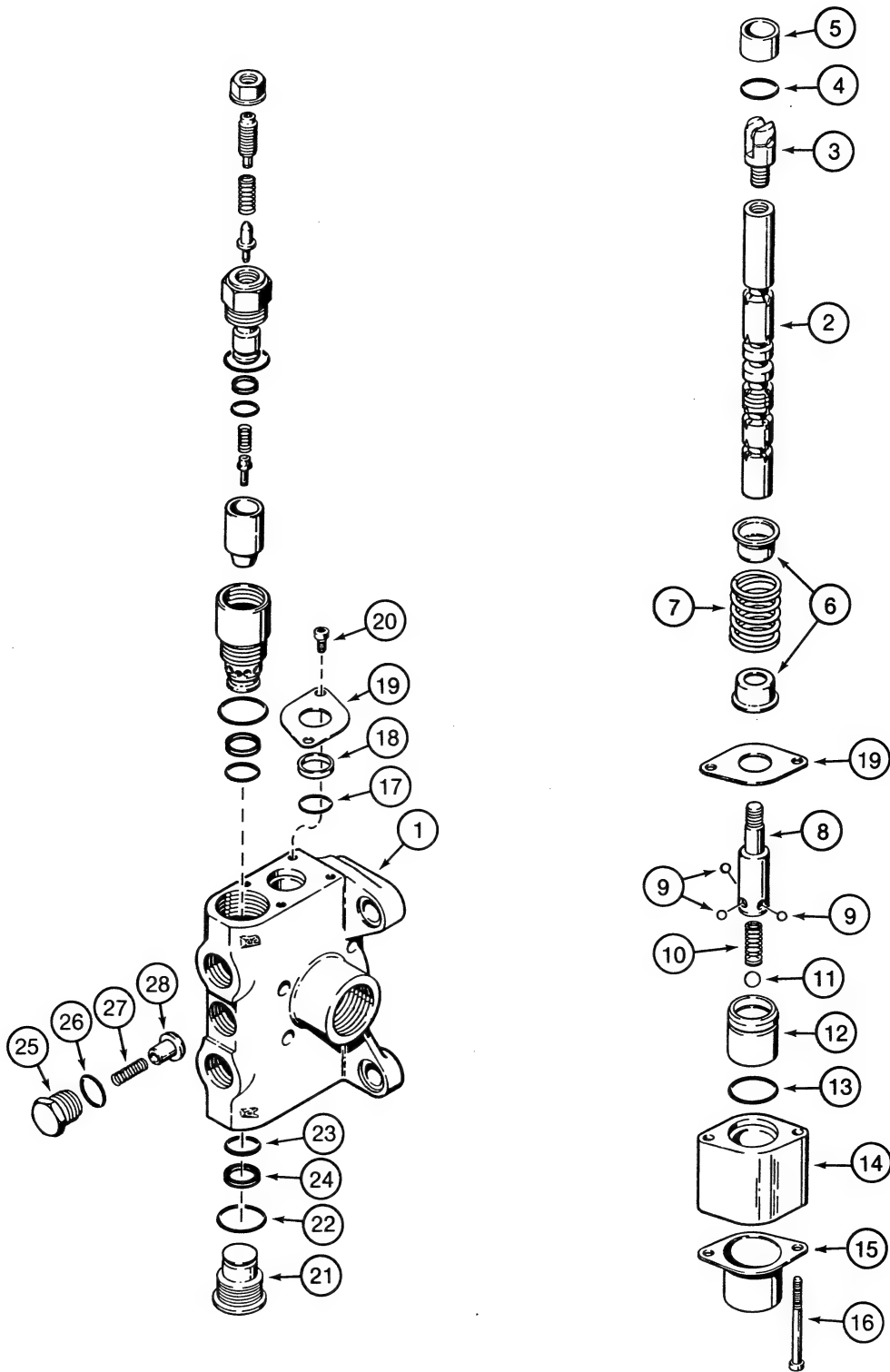
REF.	PART NO.	DESCRIPTION	REQ'D.
	N14263	SECTION ASSEMBLY - inlet-outlet and implement.....	1
1	NSS	HOUSING - inlet-outlet and implement section.....	1
2	NSS	SPOOL - inlet-outlet and implement section	1
3	N14264	EYE - spool.....	1
	N14288	KIT - wiper, spool.....	1
4	NSS	O-RING - spool.....	2
5	NSS	WIPER - spool.....	2
6	NSS	RETAINER - plate, spool wiper	2
	N14265	KIT - spool, cap end	1
7	NSS	SEAT - spring.....	2
8	NSS	SPRING - centering, spool	1
9	NSS	BOLT - spool, cap end.....	1
10	NSS	CAP - valve spool	1
11	NSS	BOLT - cap and retainer plate	4
	N14271	PLUG ASSEMBLY - valve, upper and lower, if used.....	2
12	NSS	PLUG - valve.....	1
13	238-5020	O-RING - plug, outer, large	1
14	238-5015	O-RING - 9/16 ID x 1/16 inch wide, small	1
15	A34493	RING - backup, small O-ring.....	1
	N14266	VALVE ASSEMBLY - load check valve, section.....	1
16	NSS	PLUG - load check valve.....	1
17	N14653	O-RING - plug.....	1
18	N14652	SPRING - load check valve	1
19	NSS	POPPET - load check.....	1
	N14267	VALVE ASSEMBLY - main relief section	1
20	NSS	HOUSING - main relief valve.....	1
21	238-5020	O-RING - housing, outer, large	1
22	238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
23	A34493	RING - backup, small O-ring.....	1
24	NSS	PISTON - relief valve.....	1
25	NSS	PLUNGER - piston.....	1
26	NSS	SPRING - plunger, small	1
27	NSS	BODY - relief valve.....	1
28	238-5016	O-RING - 5/8 ID x 1/16 inch wide, outer.....	1
29	238-5012	O-RING - 3/8 ID x 1/16 inch.....	1
30	L31330	RING - backup, small O-ring.....	1
31	NSS	POPPET - relief valve.....	1
32	NSS	SPRING - poppet.....	1
33	NSS	SCREW - adjusting	1
34	NSS	NUT - lock, special	1



580 Super K Construction King Loader Backhoe
THREE-POINT HITCH CONTROL VALVE
PITCH AND TILT SECTIONS

8-109

REF.	PART NO.	DESCRIPTION	REQ'D.
	N14268	SECTION ASSEMBLY - pitch and tilt.....	2
1	NSS	HOUSING - pitch and tilt section.....	1
2	NSS	SPOOL - pitch and tilt section	1
3	N14264	EYE - spool.....	1
	N14288	KIT - wiper, spool.....	1
4	NSS	O-RING - spool.....	2
5	NSS	WIPER - spool.....	2
6	NSS	RETAINER - plate, spool wiper	2
	N14265	KIT - spool, cap end	1
7	NSS	SEAT - spring.....	2
8	NSS	SPRING - centering, spool	1
9	NSS	BOLT - spool, cap end.....	1
10	NSS	CAP - valve spool.....	1
11	NSS	BOLT - cap and retainer plate	4
	N14271	PLUG ASSEMBLY - valve, upper and lower, if used.....	2
12	NSS	PLUG - valve.....	1
13	238-5020	O-RING - plug, outer, large	1
14	238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
15	A34493	RING - backup, small O-ring.....	1
	N14266	VALVE ASSEMBLY - load check valve, section.....	1
16	NSS	PLUG - load check valve.....	1
17	N14653	O-RING - plug.....	1
18	N14652	SPRING - load check valve	1
19	NSS	POPPET - load check.....	1

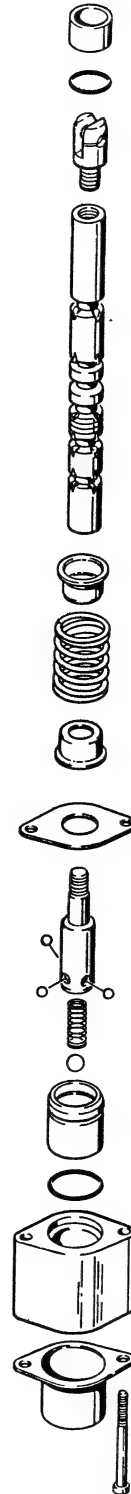
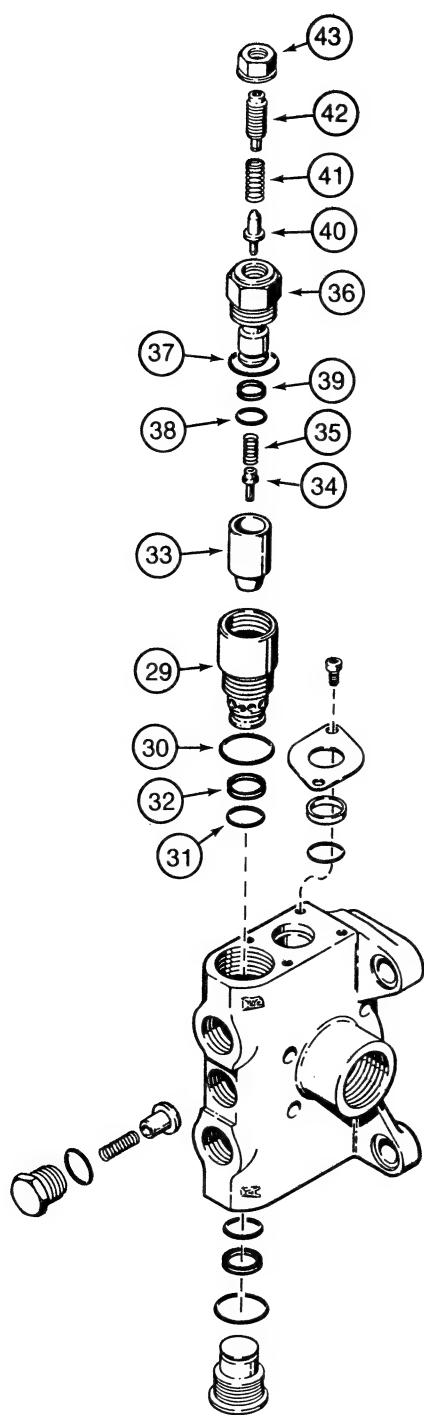


580 Super K Construction King Loader Backhoe
THREE-POINT HITCH CONTROL VALVE
LIFT SECTION

8-111

REF.	PART NO.	DESCRIPTION	REQ'D.
	N14269	SECTION ASSEMBLY - lift	1
1	NSS	HOUSING - lift section	1
2	NSS	SPOOL - lift section	1
3	N14264	EYE - spool	1
	N14270	KIT - spool, cap end	1
4	N14657	SEAL - bushing, spool eye end	1
5	NSS	BUSHING - spool	1
6	NSS	SEAT - spring	2
7	NSS	SPRING - centering, spool	1
8	NSS	RETAINER - detent, spool cap end	1
9	N14654	BALL - small	3
10	N14656	SPRING - detent, small	1
11	N14655	BALL - large	1
12	NSS	SLEEVE - detent	1
13	N14658	SEAL - detent housing	1
14	NSS	HOUSING - detent, spool cap end	1
15	NSS	CAP - valve spool	1
16	864-5055	BOLT - hex socket, 5 - 8 x 55 mm, cap retaining	2
	N14288	KIT - wiper, spool, upper, only one O-ring and wiper used in this application	1
17	NSS	O-RING - spool	2
18	NSS	WIPER - spool	2
19	N14659	RETAINER - plate, spool wiper	2
20	864-5008	BOLT - hex socket, 5 - 8 x 8 mm	2
	N14271	PLUG ASSEMBLY - valve, lower	1
21	NSS	PLUG - valve	1
22	238-5020	O-RING - plug, outer, large	1
23	238-5015	O-RING - 9/16 ID x 1/16 inch wide, small	1
24	A34493	RING - backup, small O-ring	1
	N14266	VALVE ASSEMBLY - load check valve, section	1
25	NSS	PLUG - load check valve	1
26	N14653	O-RING - plug	1
27	N14652	SPRING - load check valve	1
28	NSS	POPPET - load check	1

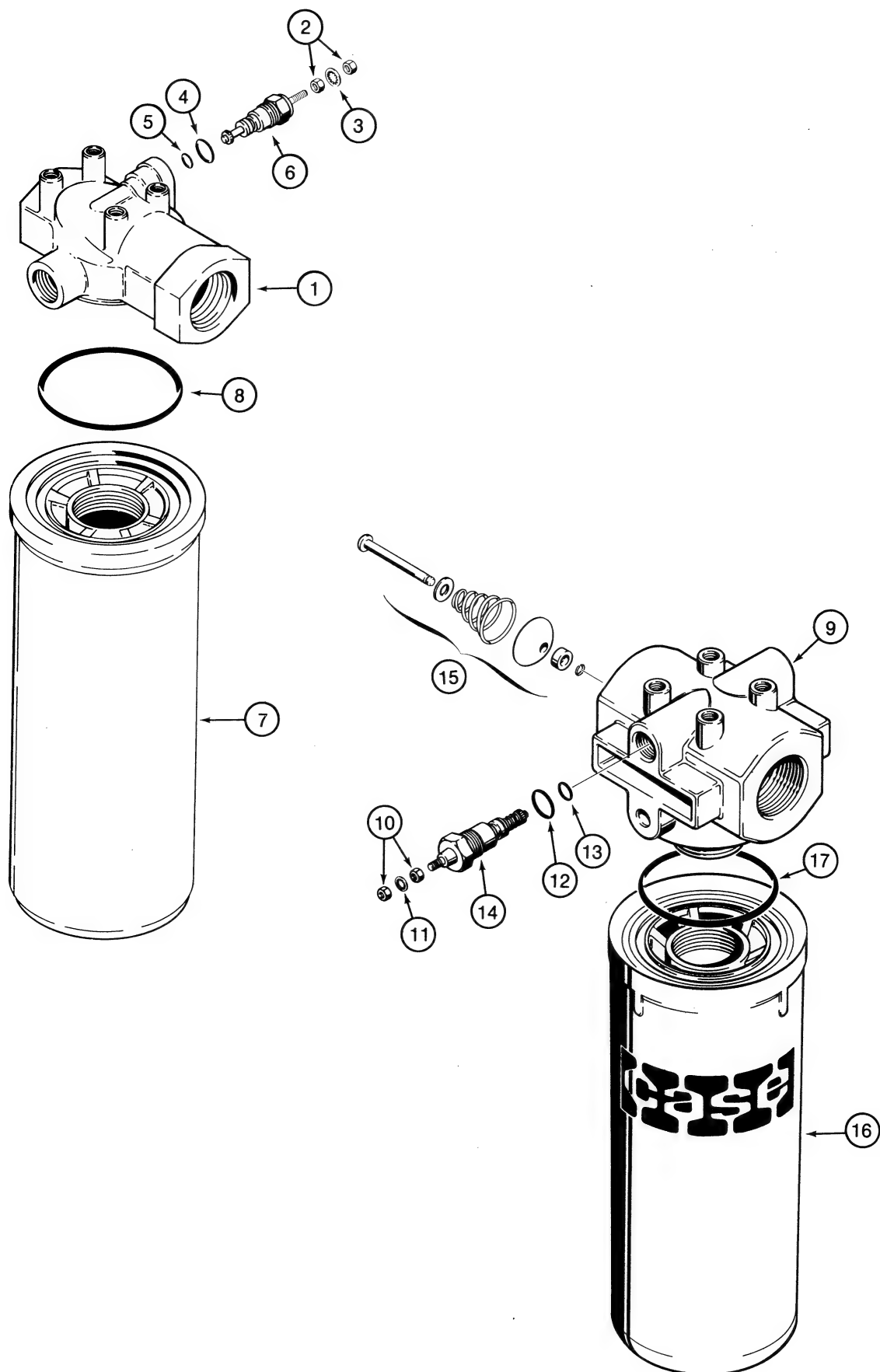
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580 Super K Construction King Loader Backhoe
THREE-POINT HITCH CONTROL VALVE
LIFT SECTION

8-113

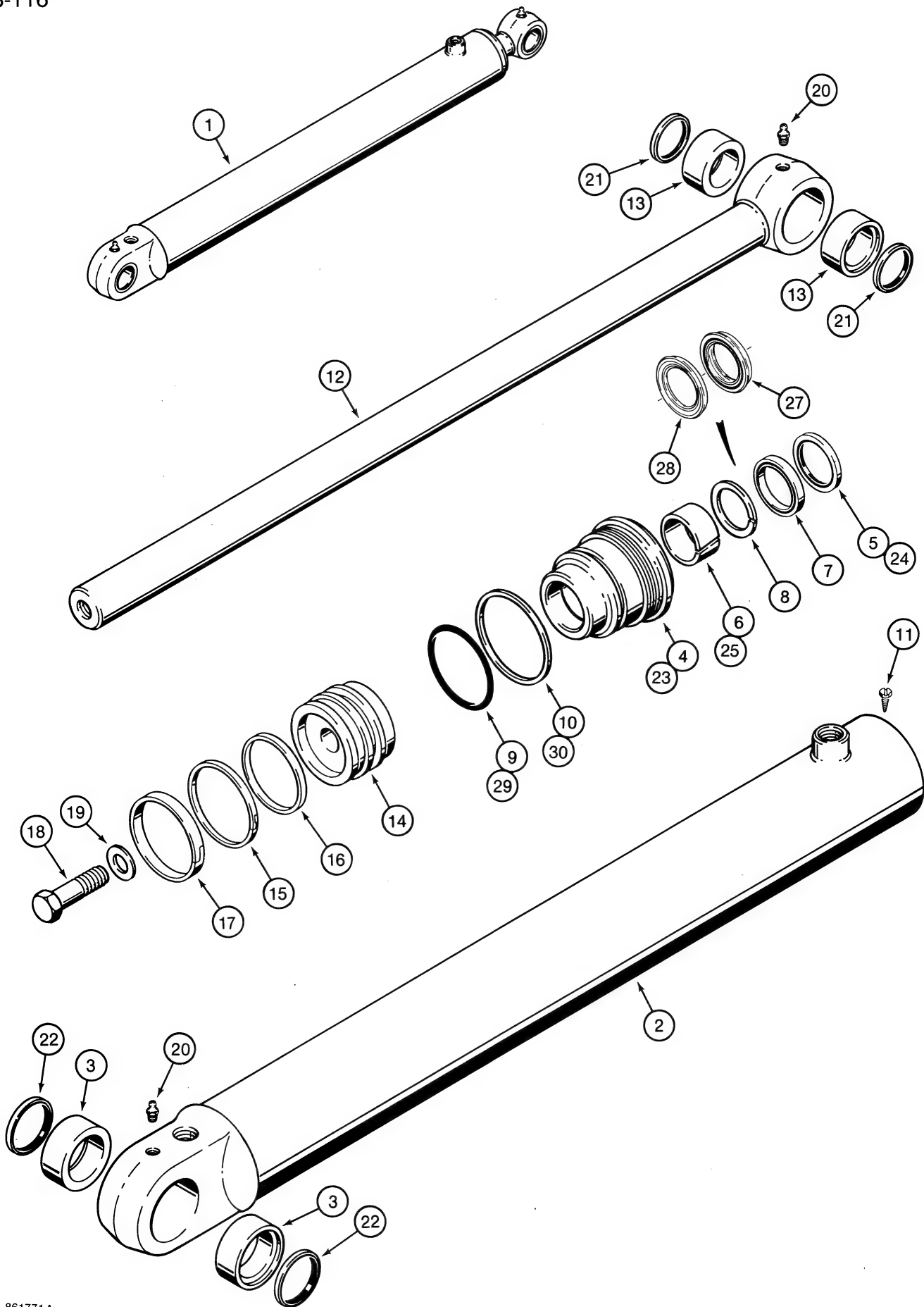
REF.	PART NO.	DESCRIPTION	REQ'D.
	N14269	SECTION - lift.....	1
	N14267	MAIN RELIEF VALVE ASSEMBLY - section.....	1
29	NSS	HOUSING - main relief valve.....	1
30	238-5020	O-RING - housing, outer, large	1
31	238-5015	O-RING - 9/16 ID x 1/16 inch wide, small	1
32	A34493	RING - backup, small O-ring.....	1
33	NSS	PISTON - relief valve.....	1
34	NSS	PLUNGER - piston.....	1
35	NSS	SPRING - plunger, small	1
36	NSS	BODY - relief valve.....	1
37	238-5016	O-RING - 5/8 ID x 1/16 inch wide, outer, large	1
38	238-5012	O-RING - 3/8 ID x 1/16 inch, small	1
39	L31330	RING - backup, small O-ring.....	1
40	NSS	POPPET - relief valve.....	1
41	NSS	SPRING - poppet.....	1
42	NSS	SCREW - adjusting	1
43	NSS	NUT - lock, special	1



580 Super K Construction King Loader Backhoe
HYDRAULIC OIL FILTER

8-115

REF.	PART NO.	DESCRIPTION	REQD.
	D148151	FILTER ASSEMBLY - hydraulic oil, no longer available, order D132933 filter assembly.....	1
1	NSS	HEAD - filter, internal bypass valve not serviceable	1
	N6755	INDICATOR ASSEMBLY - restriction, electric.....	1
	N6941	KIT - restriction indicator repair (order items 2-5).....	1
2	129-667	NUT - hex, No. 10 NF, chamfered	2
3	493-21020	WASHER - internal tooth lock, No. 10.....	1
4	237-6006	O-RING - 15/32 ID x 5/64 inch wide, outer	1
5	238-5011	O-RING - 5/16 ID x 1/16 inch wide, inner	1
6	NSS	INDICATOR - restriction, electric	1
	1346028C1	ELEMENT ASSEMBLY - filter replacement (replaces N9025).....	1
7	NSS	ELEMENT - filter	1
8	238-5230	O-RING - 2-1/2 ID x 1/8 inch, filter to head, N9025 element	1
8	1986552C2	O-RING - 2-31/64 ID x 9/64 inch, filter to head, 1346028C1 element	1
	D132933	FILTER ASSEMBLY - hydraulic oil, if used	1
9	NSS	HEAD - filter	1
	N6755	INDICATOR ASSEMBLY - restriction, electric.....	1
	N6941	KIT - restriction indicator repair (order items 10-13).....	1
10	129-667	NUT - hex, No. 10 - 32 NF	2
11	493-21020	WASHER - internal tooth lock, No. 10.....	1
12	237-6006	O-RING - outer	1
13	238-5011	O-RING - inner	1
14	NSS	INDICATOR - restriction, electric	1
15	NSS	VALVE - bypass.....	1
	1346028C1	ELEMENT ASSEMBLY - filter (replaces N9025)	1
16	NSS	ELEMENT - filter	1
17	238-5230	O-RING - 2-1/2 ID x 1/8 inch, filter to head, N9025 element	1
17	1986552C2	O-RING - 2-31/64 ID x 9/64 inch, filter to head, 1346028C1 element	1

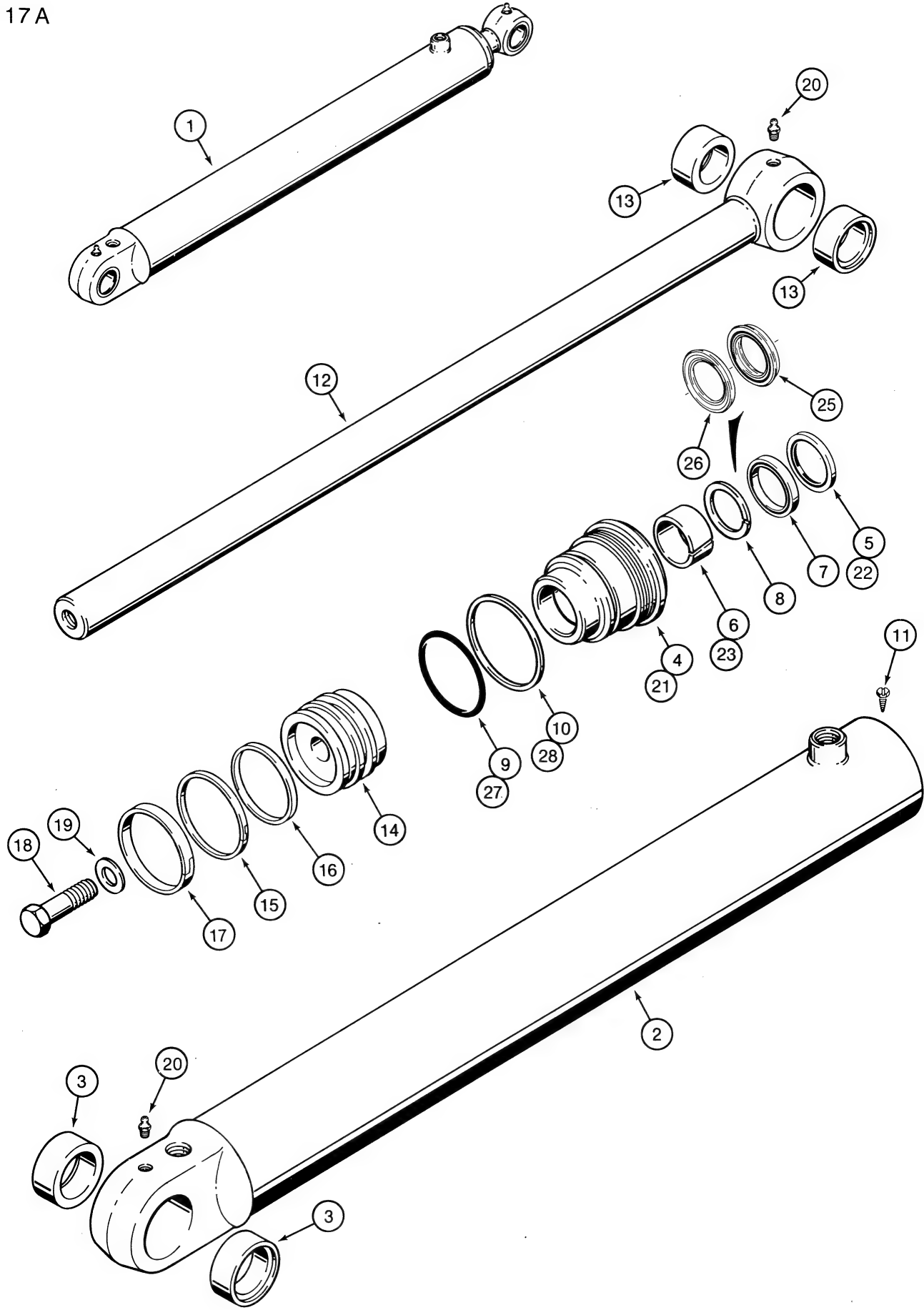


580 Super K Construction King Loader Backhoe
LOADER LIFT CYLINDERS

8-117

REF.	PART NO.	DESCRIPTION	REQD.
1	1340976C1	CYLINDER ASSEMBLY - 3-1/4 (82) ID x 29 inch (740 mm) stroke, lift, right-hand and left-hand, with grease seals (items 21 and 22) at rod and tube eyes, see note, no longer available, order 110303A1 cylinder on page 8-117D	2
2	1340977C1	TUBE ASSEMBLY - cylinder	1
3	1980335C1	BUSHING - tube	2
	1980322C1	GLAND ASSEMBLY - cylinder, no longer available, order item 23 1980321C2 gland and 1543260C1 seal kit	1
4	NSS	GLAND - cylinder	1
5	*D95143	WIPER - piston rod, outer	1
6	*G102425	BUSHING - center	1
7	*G107922	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G109094	SEAL - buffer, grooved, piston rod, narrow	1
9	*238-5233	O-RING - gland	1
10	*G32122	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1341852C2	ROD ASSEMBLY - piston, 1-3/4 inch (44 mm) diameter, cylinder	1
13	D144895	BUSHING - piston rod	2
14	G108184	PISTON - cylinder	1
15	*G102287	SEAL - piston	1
16	*S109444	RING - backup, piston seal	1
17	*S109445	RING - wear, piston	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
19	G32317	WASHER - flat, special	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
21	D127833	SEAL - rod eye	2
22	D123655	SEAL - tube eye, cylinder	2
	NSS	GLAND ASSEMBLY - cylinder	1
23	1980321C2	GLAND - cylinder	1
24	D95143	WIPER - piston rod	1
25	G102425	BUSHING - center	1
26	1542875C1	KIT - seal, NSS, not shown	1
27	1542999C1	SEAL - rod, NSS, order 1543260C1 kit below	1
28	1542998C1	SEAL - buffer, NSS, order 1543260C1 kit below	1
29	238-5233	O-RING - 2-7/8 ID x 1/8 inch wide, gland	1
30	G32122	RING - backup, gland O-ring	1
	*G110053	KIT - seal, includes all items with an asterisk, no longer available, order 1543260C1 kit below	1
	1543260C1	KIT - seal, includes items 15, 16, 17, and 24 through 30 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

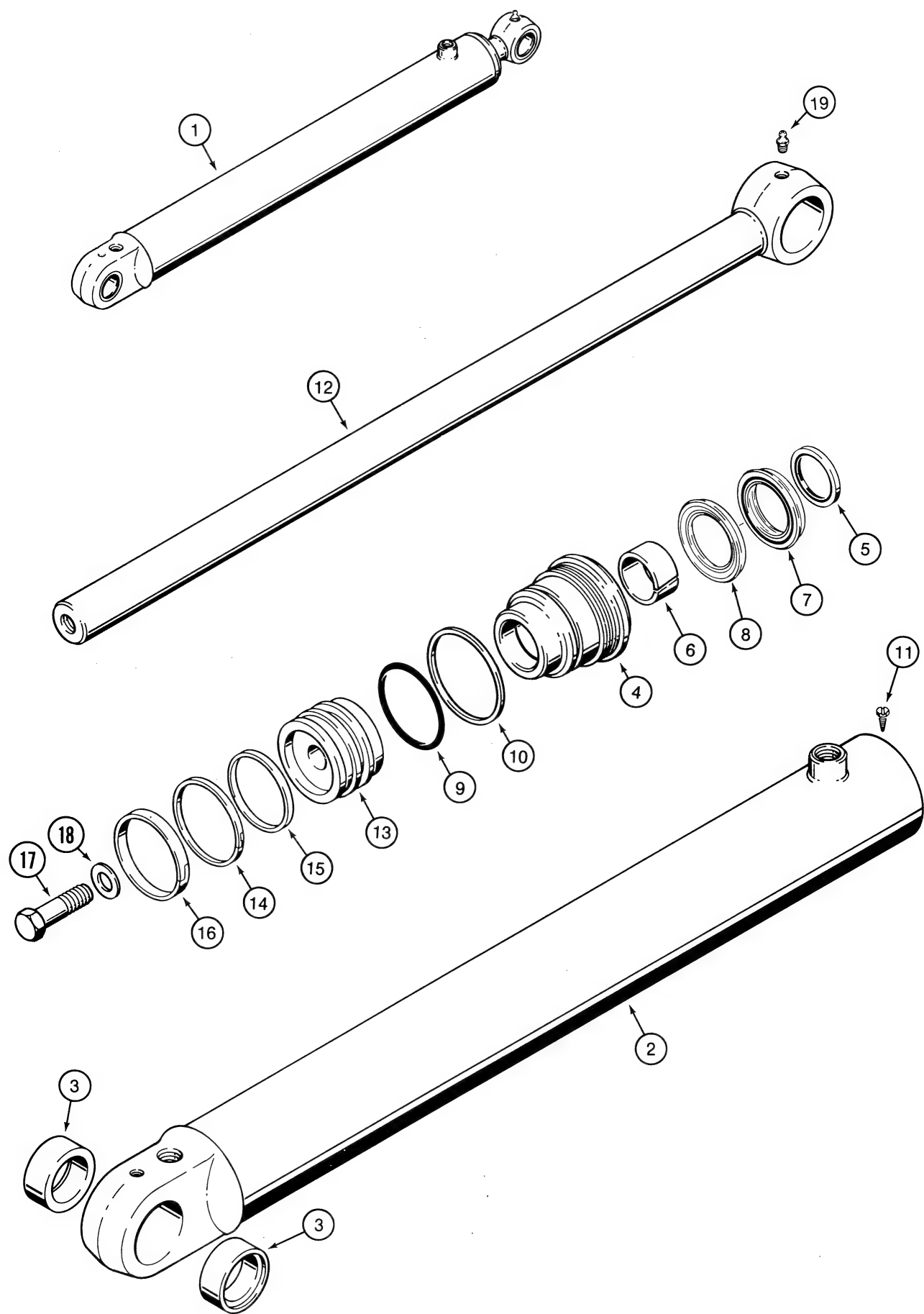


580 Super K Construction King Loader Backhoe
LOADER LIFT CYLINDERS

8-117B

REF.	PART NO.	DESCRIPTION	REQD.
1	1340976C2	CYLINDER ASSEMBLY - 3-1/4 (82) ID x 29 inch (740 mm) stroke, lift, right-hand and left-hand, without grease seals at rod and tube eyes, see note, no longer available, order 110303A1 cylinder on page 8-117D	2
2	1340977C2	TUBE ASSEMBLY - cylinder	1
3	1980335C1	BUSHING - tube	2
	1980322C1	GLAND ASSEMBLY - cylinder, no longer available, order item 21 1980321C2 gland and 1543260C1 seal kit	1
4	NSS	GLAND - cylinder	1
5	*D95143	WIPER - piston rod, outer	1
6	*G102425	BUSHING - center	1
7	*G107922	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G109094	SEAL - buffer, grooved, piston rod, narrow	1
9	*238-5233	O-RING - 2-7/8 ID x 1/8 inch wide, gland	1
10	*G32122	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1341852C2	ROD ASSEMBLY - piston, 1-3/4 inch (44 mm) diameter, cylinder, no longer available, order 110304A1 rod on page 8-117D	1
13	D144895	BUSHING - piston rod	2
14	G108184	PISTON - cylinder	1
15	*G102287	SEAL - piston	1
16	*S109444	RING - backup, piston seal	1
17	*S109445	RING - wear, piston	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
19	G32317	WASHER - flat, special	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
	NSS	GLAND ASSEMBLY - cylinder	1
21	1980321C2	GLAND - cylinder	1
22	D95143	WIPER - piston rod	1
23	G102425	BUSHING - center	1
24	1542875C1	KIT - seal, NSS, not shown	1
25	1542999C1	SEAL - rod, NSS, order 1543260C1 kit below	1
26	1542998C1	SEAL - buffer, NSS, order 1543260C1 kit below	1
27	238-5233	O-RING - 2-7/8 ID x 1/8 inch wide, gland	1
28	G32122	RING - backup, gland O-ring	1
	*G110053	KIT - seal, includes all items with an asterisk, no longer available, order 1543260C1 kit below	1
	1543260C1	KIT - seal, includes items 15, 16, 17, and 22 through 28 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

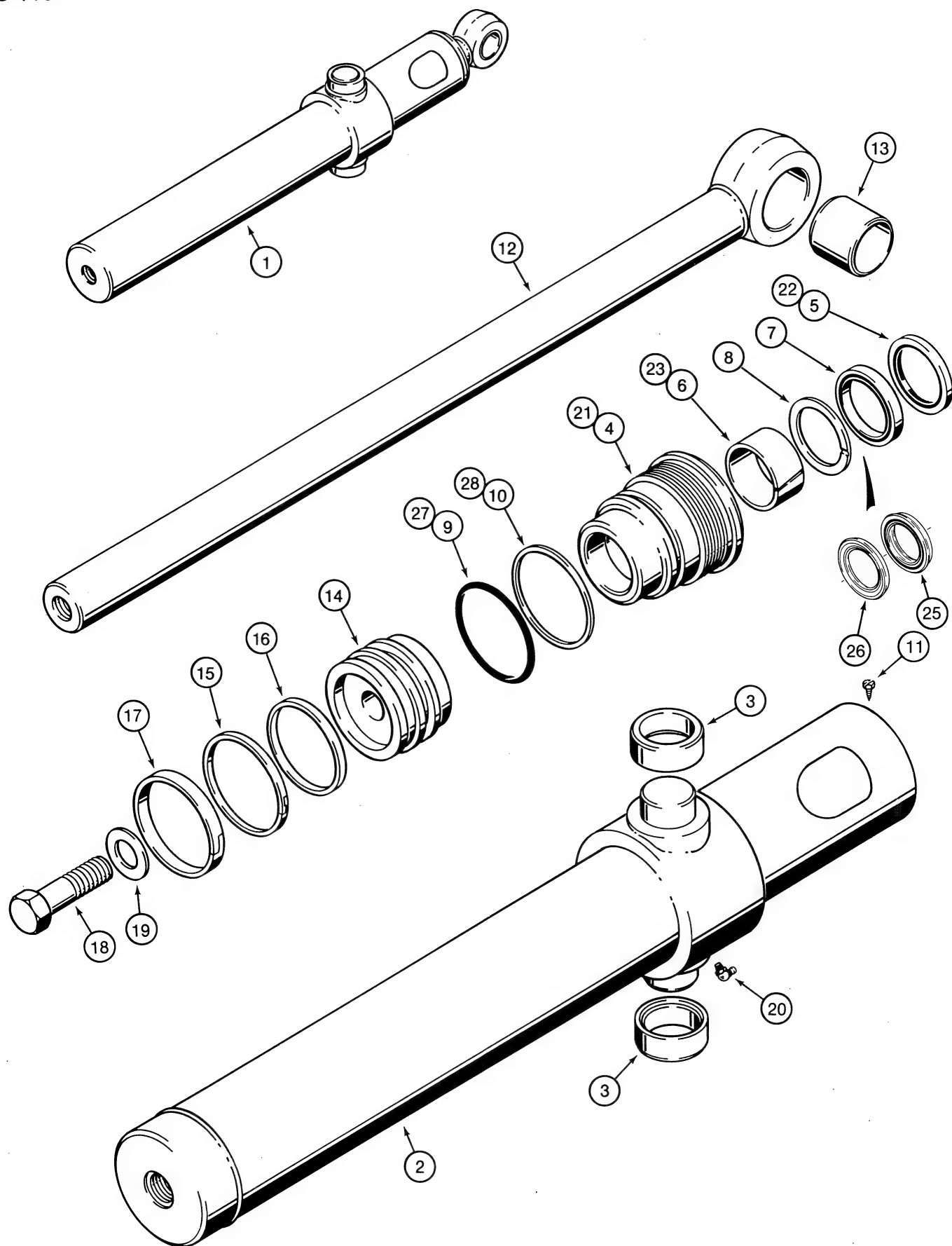


580 Super K Construction King Loader Backhoe
LOADER LIFT CYLINDERS

8-117D

REF.	PART NO.	DESCRIPTION	REQD.
1	110303A1	CYLINDER ASSEMBLY - 3-1/4 (82) ID x 29 inch (740 mm) stroke, lift, right-hand and left-hand, without bushings at rod eyes, if used, see note	2
2	1340977C2	TUBE ASSEMBLY - cylinder	1
3	1980335C1	BUSHING - tube	2
	NSS	GLAND ASSEMBLY - cylinder	1
4	1980321C2	GLAND - cylinder	1
5	*D95143	WIPER - piston rod	1
6	*G102425	BUSHING - center	1
	1542875C1	KIT - seal, NSS, order 1543260C1 kit below	1
7	*1542999C1	SEAL - rod, NSS, order 1543260C1 kit below	1
8	*1542998C1	SEAL - buffer, NSS, order 1543260C1 kit below	1
9	*238-5233	O-RING - 2-7/8 ID x 1/8 inch wide, gland	1
10	*G32122	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	110304A1	ROD - piston, 1-3/4 inch (44 mm) diameter, cylinder, without bushings	1
13	G108184	PISTON - cylinder	1
14	*G102287	SEAL - piston	1
15	*S109444	RING - backup, piston seal	1
16	*S109445	RING - wear, piston	1
17	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
18	G32317	WASHER - flat, special	1
19	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
	1543260C1	KIT - seal, includes all items with an asterisk and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

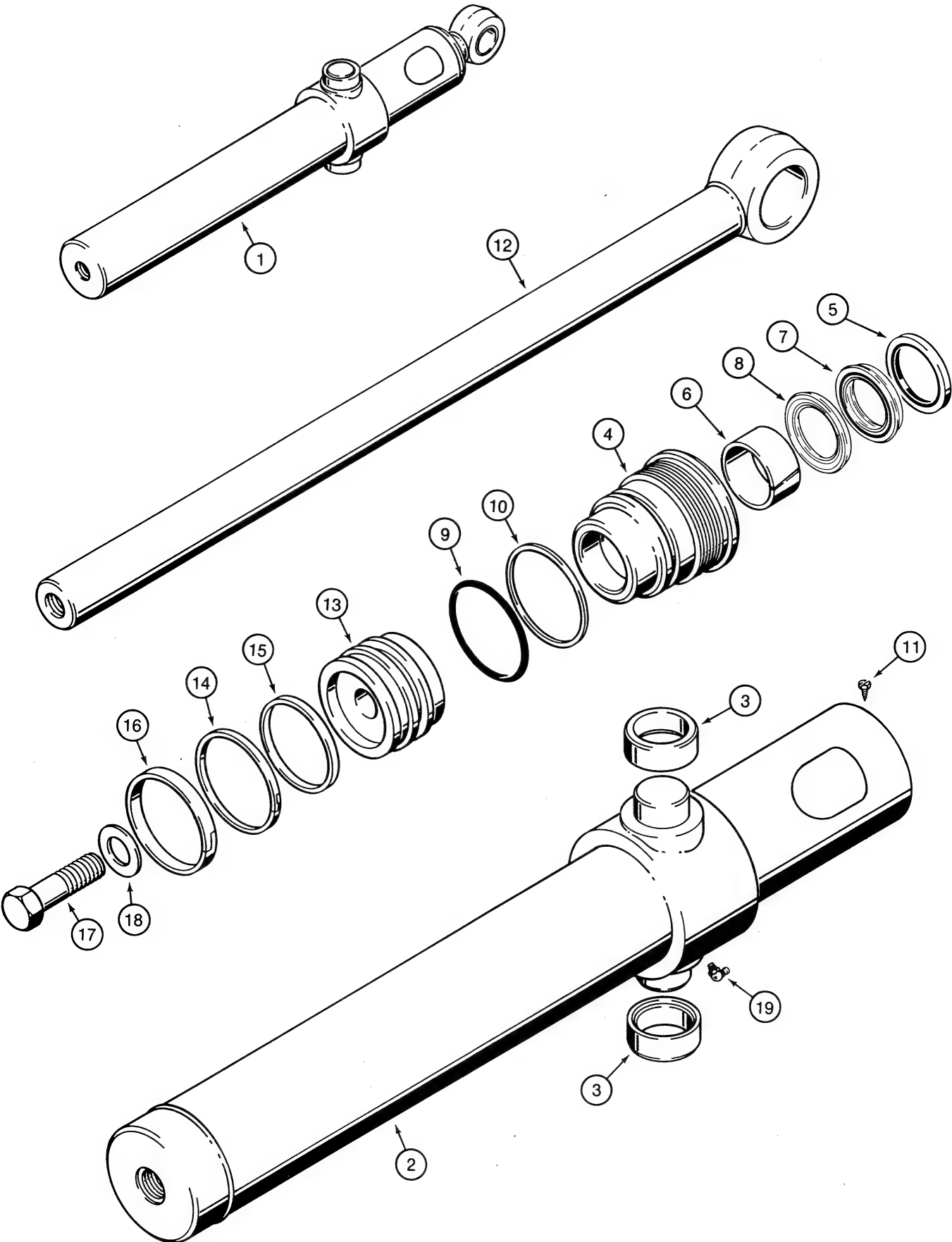


**580 Super K Construction King Loader Backhoe
LOADER BUCKET CYLINDERS**

8-119

REF.	PART NO.	DESCRIPTION	REQD.
1	G108486	CYLINDER ASSEMBLY - 76 mm ID x 522 mm stroke, bucket, right-hand, includes bushings in cylinder tube, see note.....	1
1	G108487	CYLINDER ASSEMBLY - 76 mm ID x 522 mm stroke, bucket, left-hand, includes bushings in cylinder tube, see note	1
2	G108508	TUBE ASSEMBLY - cylinder, right-hand	1
2	G108509	TUBE ASSEMBLY - cylinder, left-hand	1
3	G108512	BUSHING - G108508 or G108509 tube.....	2
	G109882	GLAND ASSEMBLY - cylinder, no longer available, order item 21 G109881 gland and 1543256C1 seal kit.....	1
	G109880	GLAND ASSEMBLY - cylinder, no longer available, order item 21 G109881 gland and 1543256C1 seal kit.....	1
4	NSS	GLAND - cylinder.....	1
5	*D95142	WIPER - piston rod, outer.....	1
6	*G102424	BUSHING - center	1
7	*G107921	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G109093	SEAL - buffer, grooved, piston rod, narrow.....	1
9	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland.....	1
10	*G109298	RING - backup, gland O-ring.....	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1978056C1	ROD ASSEMBLY - piston, 38 mm diameter, no longer available, order 110307A1 on page 8-119B.....	1
13	G108507	BUSHING - piston rod.....	1
14	G108518	PISTON - cylinder	1
15	*G102288	SEAL - piston.....	1
16	*G100444	RING - backup, piston seal.....	1
17	*G100449	RING - wear, piston.....	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
19	S94643	WASHER - flat, special.....	1
20	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
21	G109881	GLAND - cylinder.....	1
22	D95142	WIPER - piston rod	1
23	G102424	BUSHING - center	1
24	1542874C1	KIT - seal, NSS, not shown	1
25	1542997C1	SEAL - rod, NSS, order 1543256C1 kit below	1
26	1542996C1	SEAL - buffer, NSS, order 1543256C1 kit below	1
27	238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland.....	1
28	G109298	RING - backup, gland O-ring.....	1
	*G110050	KIT - seal, includes all items with an asterisk, no longer available, order 1543256C1 kit below	1
	1543256C1	KIT - seal, includes items 15, 16, 17, and 22 through 28 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped
on some cylinder glands or tubes.

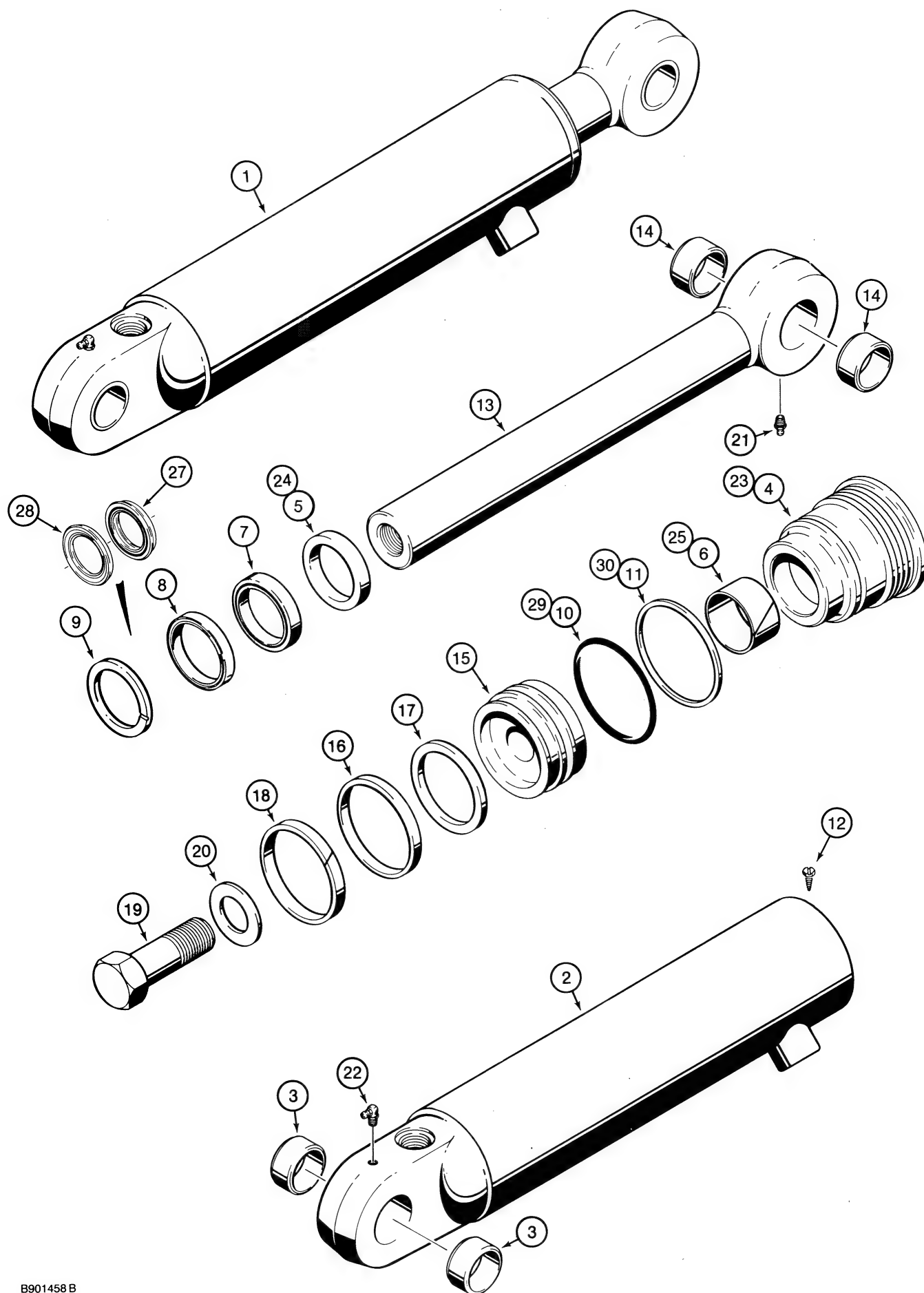


**580 Super K Construction King Loader Backhoe
LOADER BUCKET CYLINDERS**

8-119B

REF.	PART NO.	DESCRIPTION	REQ'D.
1	110306A1	CYLINDER ASSEMBLY - 76 mm ID x 522 mm stroke, bucket, right-hand, includes bushings in cylinder tube and without bushings at rod eye, see note.....	1
1	110309A1	CYLINDER ASSEMBLY - 76 mm ID x 522 mm stroke, bucket left-hand, includes bushings in cylinder tube and without bushings at rod eye, see note.....	1
2	G108508	TUBE ASSEMBLY - cylinder, right-hand	1
2	G108509	TUBE ASSEMBLY - cylinder, left-hand	1
3	G108512	BUSHING - G108508 or G108509 tube.....	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
4	G109881	GLAND - cylinder.....	1
5	*D95142	WIPER - piston rod	1
6	*G102424	BUSHING - center	1
	1542874C1	KIT - seal, NSS, order 1543256C1 kit below	1
7	*1542997C1	SEAL - rod, NSS, order 1543256C1 kit below	1
8	*1542996C1	SEAL - buffer, NSS, order 1543256C1 kit below	1
9	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland.....	1
10	*G109298	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	110307A1	ROD - piston, 38 mm diameter, without bushings in eye.....	1
13	G108518	PISTON - cylinder.....	1
14	*G102288	SEAL - piston.....	1
15	*G100444	RING - backup, piston seal.....	1
16	*G100449	RING - wear, piston.....	1
17	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
18	S94643	WASHER - flat, special.....	1
19	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch.....	1
	*1543256C1	KIT - seal, includes all items with an asterisk and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

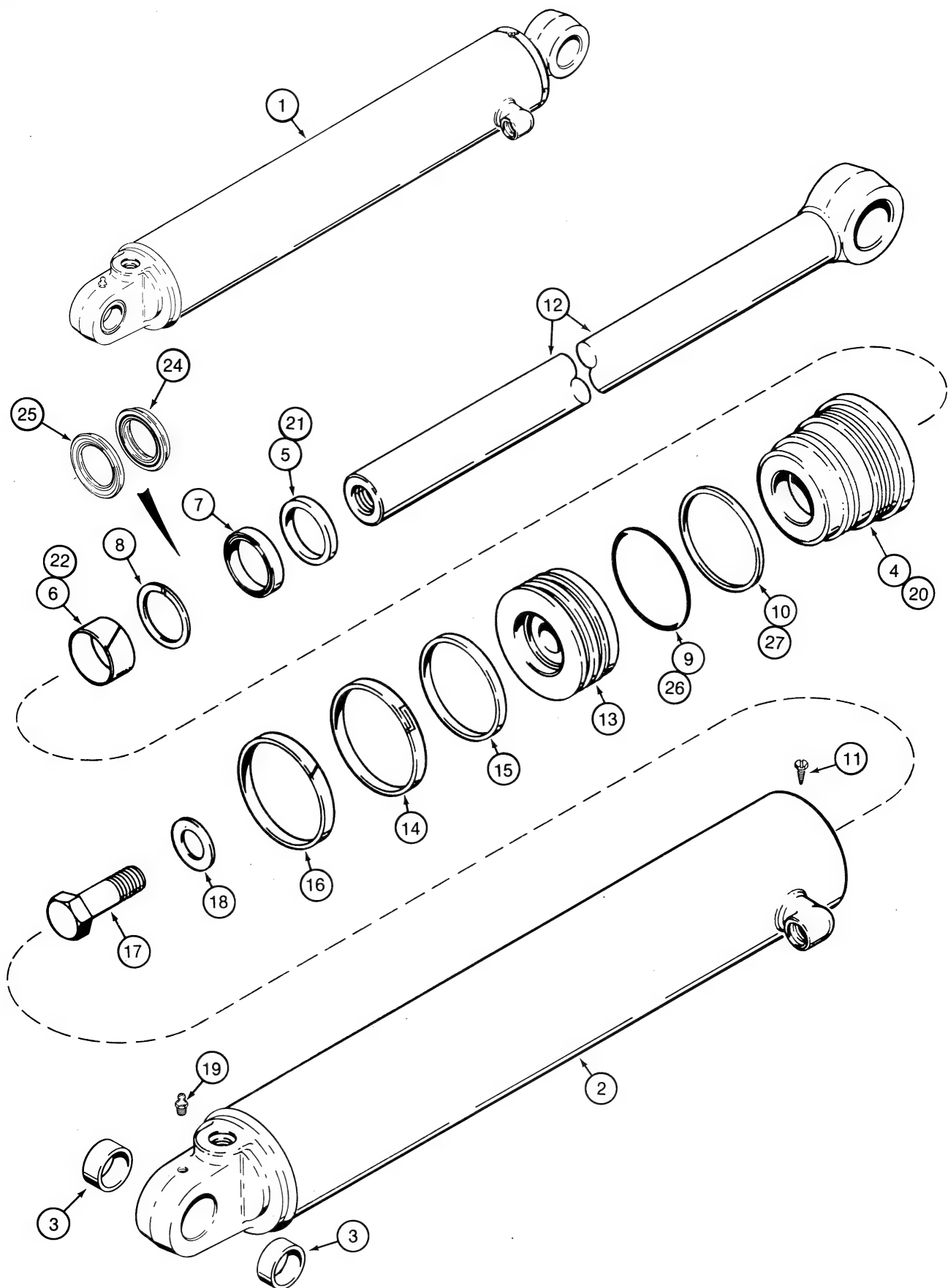


580 Super K Construction King Loader Backhoe LOADER CLAM CYLINDERS

8-121

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1346189C1	CYLINDER ASSEMBLY - 3 (76) ID x 9 inch (229 mm) stroke, clam, right-hand, see note.....	1
1	1346190C1	CYLINDER ASSEMBLY - 3 (76) ID x 9 inch (229 mm) stroke, clam, left-hand, see note.....	1
2	1346191C1	TUBE ASSEMBLY - right-hand cylinder.....	1
2	1346192C1	TUBE ASSEMBLY - left-hand cylinder.....	1
3	30634	BUSHING - 1346191C1 or 1346192C1 tube.....	2
	G109885	GLAND ASSEMBLY - cylinder, no longer available, order item 23 G109884 gland and 1543267C1 seal kit.....	1
4	NSS	GLAND - cylinder.....	1
5	*D95143	WIPER - piston rod.....	1
6	*G102425	BUSHING - center.....	1
7	*G107922	SEAL - U-cup, with O-ring, piston rod, wide.....	1
8	G100777	SEAL - U-cup, piston rod, service option - severe heat or cold.....	1
9	*G109094	SEAL - buffer, grooved, piston rod, narrow.....	1
10	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland.....	1
11	*G109298	RING - backup, gland O-ring.....	1
12	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch.....	1
13	1346195C1	ROD ASSEMBLY - piston, 44 mm diameter.....	1
14	30634	BUSHING - piston rod.....	2
15	1340798C1	PISTON - cylinder.....	1
16	*G102288	SEAL - piston.....	1
17	*G100444	RING - backup, piston seal.....	1
18	*G100449	RING - wear, piston.....	1
19	25974R1	BOLT - hex, 1 NS x 2-1/2 inch, grade 8, replaces 28-1640.....	1
20	G32303	WASHER - flat, 1 inch, hardened.....	1
21	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	1
22	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch.....	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
23	G109884	GLAND - cylinder.....	1
24	D95143	WIPER - piston rod.....	1
25	G102425	BUSHING - center.....	1
26	1542875C1	KIT - seal, NSS, not shown.....	1
27	1542999C1	SEAL - rod, NSS, order 1543267C1 kit below.....	1
28	1542998C1	SEAL - buffer, NSS, order 1543267C1 kit below.....	1
29	238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland.....	1
30	G109298	RING - backup, gland O-ring.....	1
	*G110049	KIT - seal, includes all items with an asterisk, no longer available, order 1543267C1 kit below.....	1
	1543267C1	KIT - seal, includes items 16, 17, 18, and 24 through 30 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

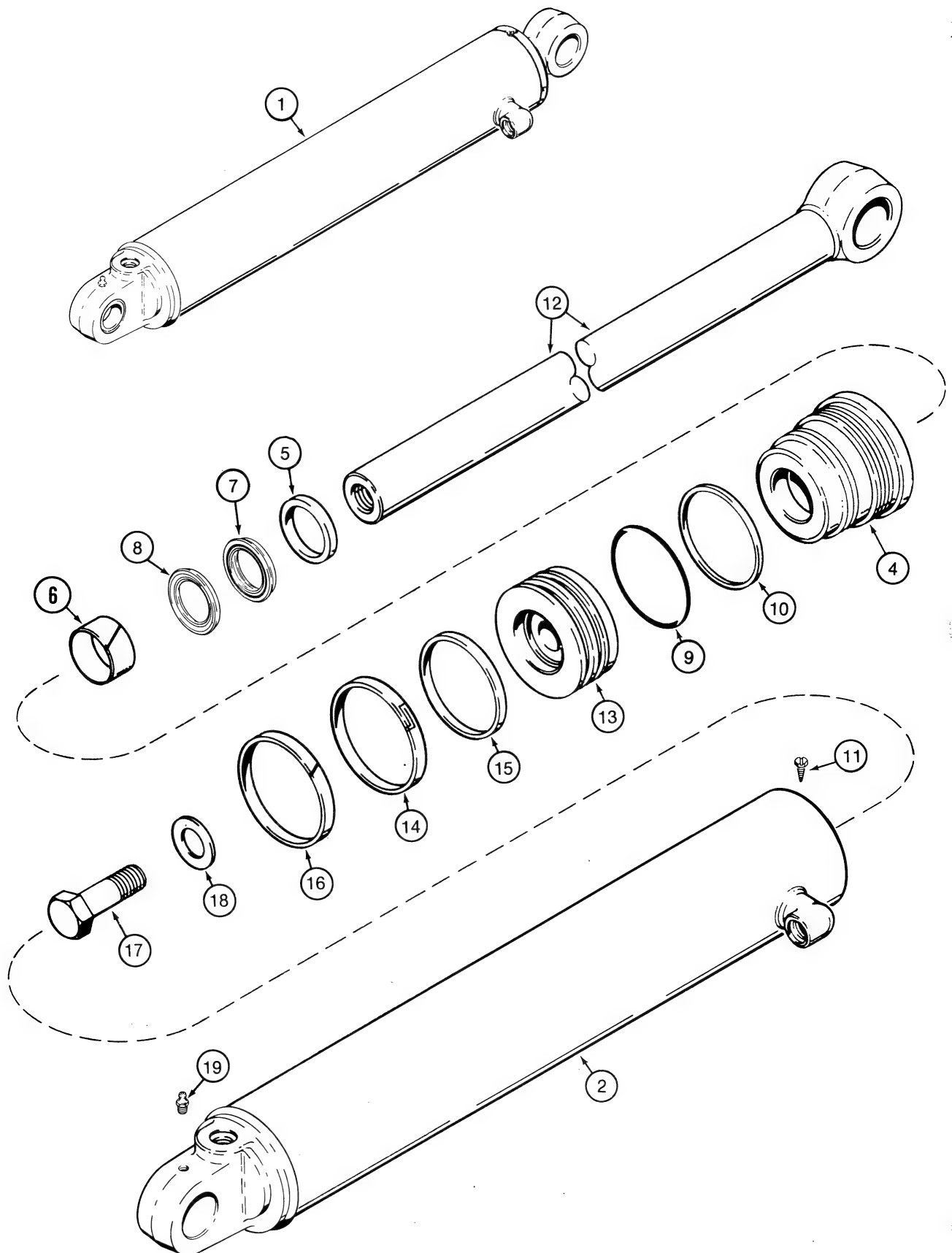


580 Super K Construction King Loader Backhoe BACKHOE STABILIZER CYLINDERS

8-123

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1986804C1	CYLINDER ASSEMBLY - 4-1/4 (108) ID x 21-3/4 inch (553 mm) stroke, stabilizer, right-hand, without rod bushings, see note, no longer available, order 110298A1 cylinder on page 8-123B	1
1	1986805C1	CYLINDER ASSEMBLY - 4-1/4 (108) ID x 21-3/4 inch (553 mm) stroke, stabilizer, left-hand, without rod bushings, see note, no longer available, order 110301A1 cylinder on page 8-123B	1
2	1986806C1	TUBE ASSEMBLY - cylinder, right-hand, no longer available, order 110299A1 tube on page 8-123B	1
2	1986807C1	TUBE ASSEMBLY - cylinder, left-hand, no longer available, order 110302A1 tube on page 8-123B	1
3	D33047 G110520	BUSHING - 1986806C1 or 1986807C1 tube GLAND ASSEMBLY - cylinder, no longer available, order item 20 G110519 gland and 1543275C1 seal kit.....	2 1
4	NSS	GLAND - cylinder.....	1
5	*D95144	WIPER - piston rod	1
6	*G101533	BUSHING - center	1
7	*G107923	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G107997	SEAL - buffer, grooved, piston rod, narrow	1
9	*238-5241	O-RING - 3-7/8 x 4-1/8 inch wide	1
10	*G32176	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1978060C1	ROD - piston, 2 inch (51 mm) diameter	1
13	G110522	PISTON - cylinder	1
14	*G110531	SEAL - piston.....	1
15	*G110529	RING - backup, piston seal.....	1
16	*G110530	RING - wear, piston.....	1
17	28-1648	BOLT - hex, 1 National Superfine x 3 inch, grade 8	1
18	G32303	WASHER - flat, 1 inch, hardened.....	1
19	219-1 NSS	FITTING - grease, straight, 1/8 PT x 21/32 inch..... GLAND ASSEMBLY - cylinder.....	1 1
20	G110519	GLAND - cylinder.....	1
21	D95144	WIPER - piston rod	1
22	G101533	BUSHING - center	1
23	1542876C1	KIT - seal, NSS, not shown	1
24	1543001C1	SEAL - rod, NSS, order 1543275C1 kit below	1
25	1543000C1	SEAL - buffer, NSS, order 1543275C1 kit below	1
26	238-5241	O-RING - 3-7/8 ID x 1/8 inch wide, gland.....	1
27	G32176	RING - backup, gland O-ring	1
	*G110537	KIT - seal, includes all items with an asterisk, no longer available, order 1543275C1 kit below.....	1
	1543275C1	KIT - seal, includes items 14, 15, 16, and 21 through 27 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

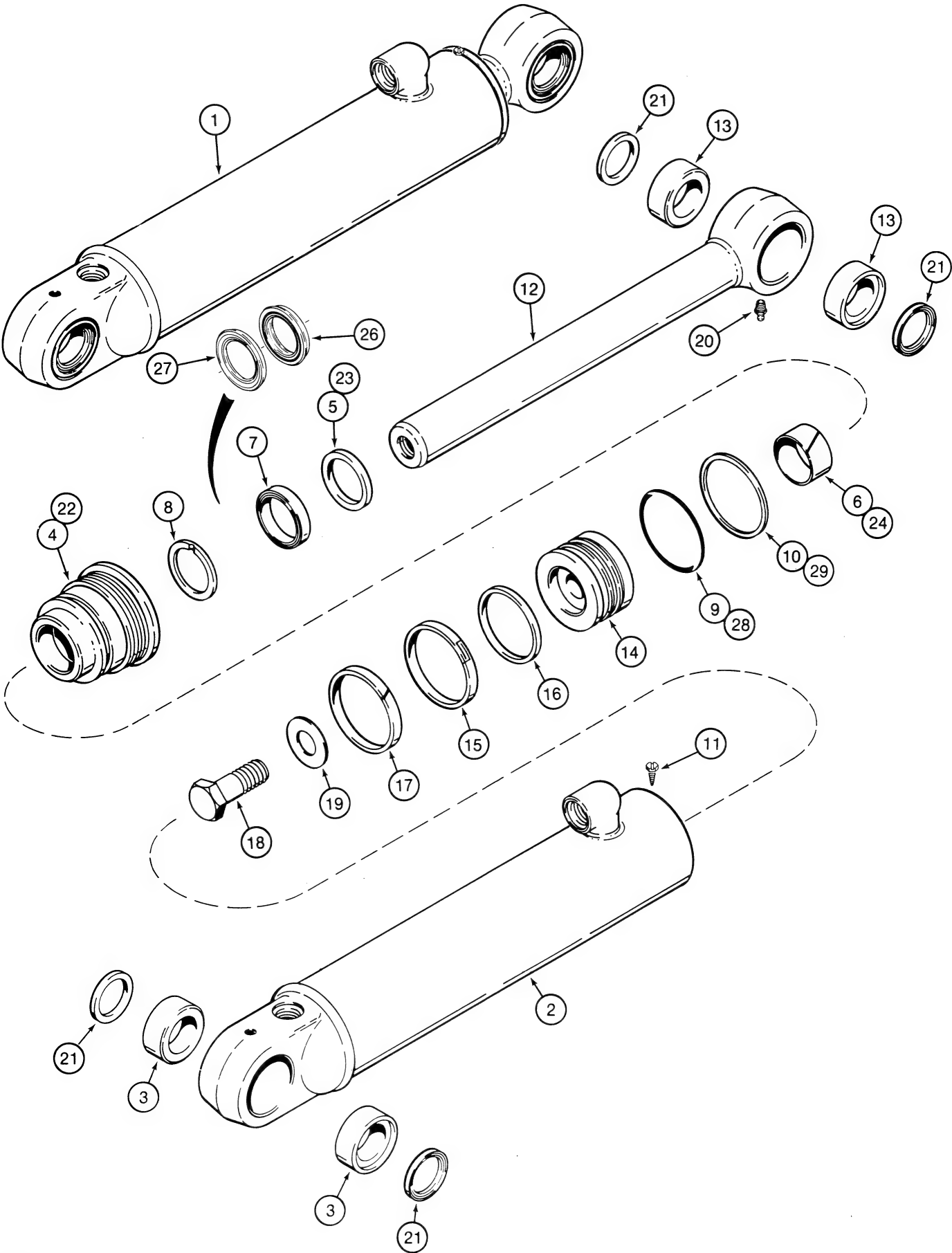


580 Super K Construction King Loader Backhoe
BACKHOE STABILIZER CYLINDERS

8-123B

REF.	PART NO.	DESCRIPTION	REQD.
1	110298A1	CYLINDER ASSEMBLY - 4-1/4 (108) ID x 21-3/4 inch (553 mm) stroke, stabilizer, right-hand, without tube or rod bushings, see note	1
1	110301A1	CYLINDER ASSEMBLY - 4-1/4 (108) ID x 21-3/4 inch (553 mm) stroke, stabilizer, left-hand, without tube or rod bushings, see note	1
2	110299A1	TUBE ASSEMBLY - cylinder, right-hand	1
2	110302A1	TUBE ASSEMBLY - cylinder, left-hand	1
	NSS	GLAND ASSEMBLY - cylinder	1
4	G110519	GLAND - cylinder	1
5	*D95144	WIPER - piston rod	1
6	*G101533	BUSHING - center	1
	*1542876C1	KIT - seal, NSS	1
7	1543001C1	SEAL - rod, NSS, order 1543275C1 kit below	1
8	1543000C1	SEAL - buffer, NSS, order 1543275C1 kit below	1
9	*238-5241	O-RING - 3-7/8 ID x 1/8 inch wide, gland	1
10	*G32176	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1978060C1	ROD - piston, 2 inch (51 mm) diameter	1
13	G110522	PISTON - cylinder	1
14	*G110531	SEAL - piston	1
15	*G110529	RING - backup, piston seal	1
16	*G110530	RING - wear, piston	1
17	28-1648	BOLT - hex, 1 National Superfine x 3 inch, grade 8	1
18	G32303	WASHER - flat, 1 inch, hardened	1
19	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
	*1543275C1	KIT - seal, includes items 5-10, 14-16 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

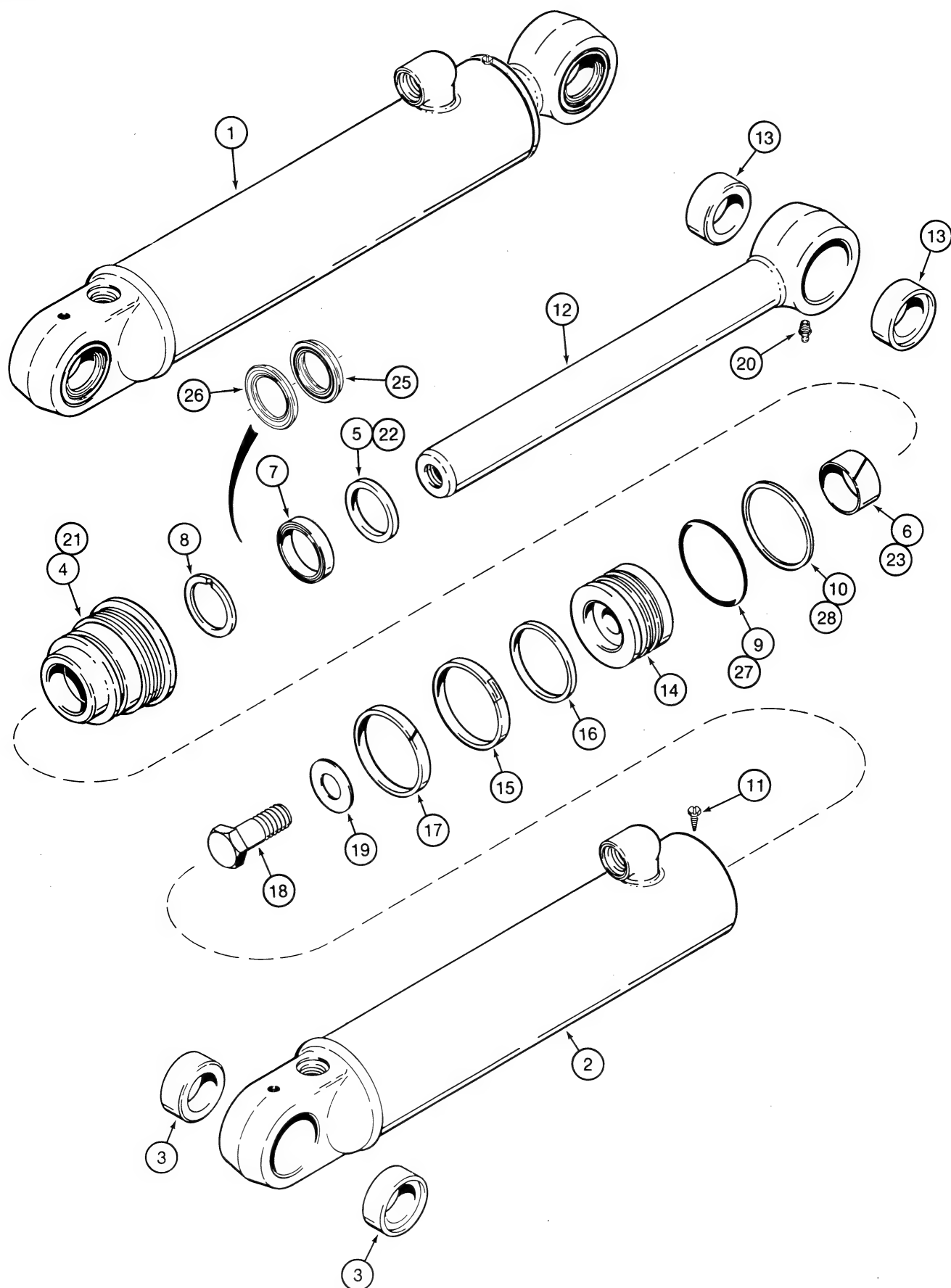


580 Super K Construction King Loader Backhoe BACKHOE SWING CYLINDERS

8-125

REF.	PART NO.	DESCRIPTION	REQD.
1	1971702C2	CYLINDER ASSEMBLY - 3-1/2 (89) ID x 12 inch (305 mm) stroke, swing, with grease seals (item 21) at rod and tube eyes, if used, see note	2
2	1971704C1	TUBE ASSEMBLY - cylinder (order 1971704C2 tube on page 8-127)	1
3	G108526	BUSHING - tube	2
	1978135C1	GLAND ASSEMBLY - cylinder, no longer available, order item 22 1971707C1 gland and 1543266C1 seal kit	1
4	NSS	GLAND - cylinder	1
5	*D95143	WIPER - piston rod, outer	1
6	*G102425	BUSHING - center	1
7	*G107922	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G109094	SEAL - buffer, grooved, piston rod, narrow	1
9	*238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland	1
10	*D38858	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1978061C1	ROD ASSEMBLY - piston, 1-3/4 inch (44 mm) diameter (order 1978061C3 rod on page 8-127B)	1
13	1542668C1	BUSHING - piston rod	2
14	G110110	PISTON - cylinder	1
15	*G102286	SEAL - piston	1
16	*G100710	RING - backup, piston seal	1
17	*G100711	RING - wear, piston	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
19	S94643	WASHER - flat, special	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
21	D127833	SEAL - rod and tube eye	4
	NSS	GLAND ASSEMBLY - cylinder	1
22	1971707C1	GLAND - cylinder	1
23	D95143	WIPER - piston rod	1
24	G102425	BUSHING - center	1
25	1542875C1	KIT - seal, NSS, not shown	1
26	1542999C1	SEAL - rod, NSS, order 1543266C1 kit below	1
27	1542998C1	SEAL - buffer, NSS, order 1543266C1 kit below	1
28	238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland	1
29	D38858	RING - backup, gland O-ring	1
	*G110621	KIT - seal, includes all items with an asterisk, no longer available, order 1543266C1 kit below	1
	1543266C1	KIT - seal, includes items 15, 16, 17, and 23 through 29 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

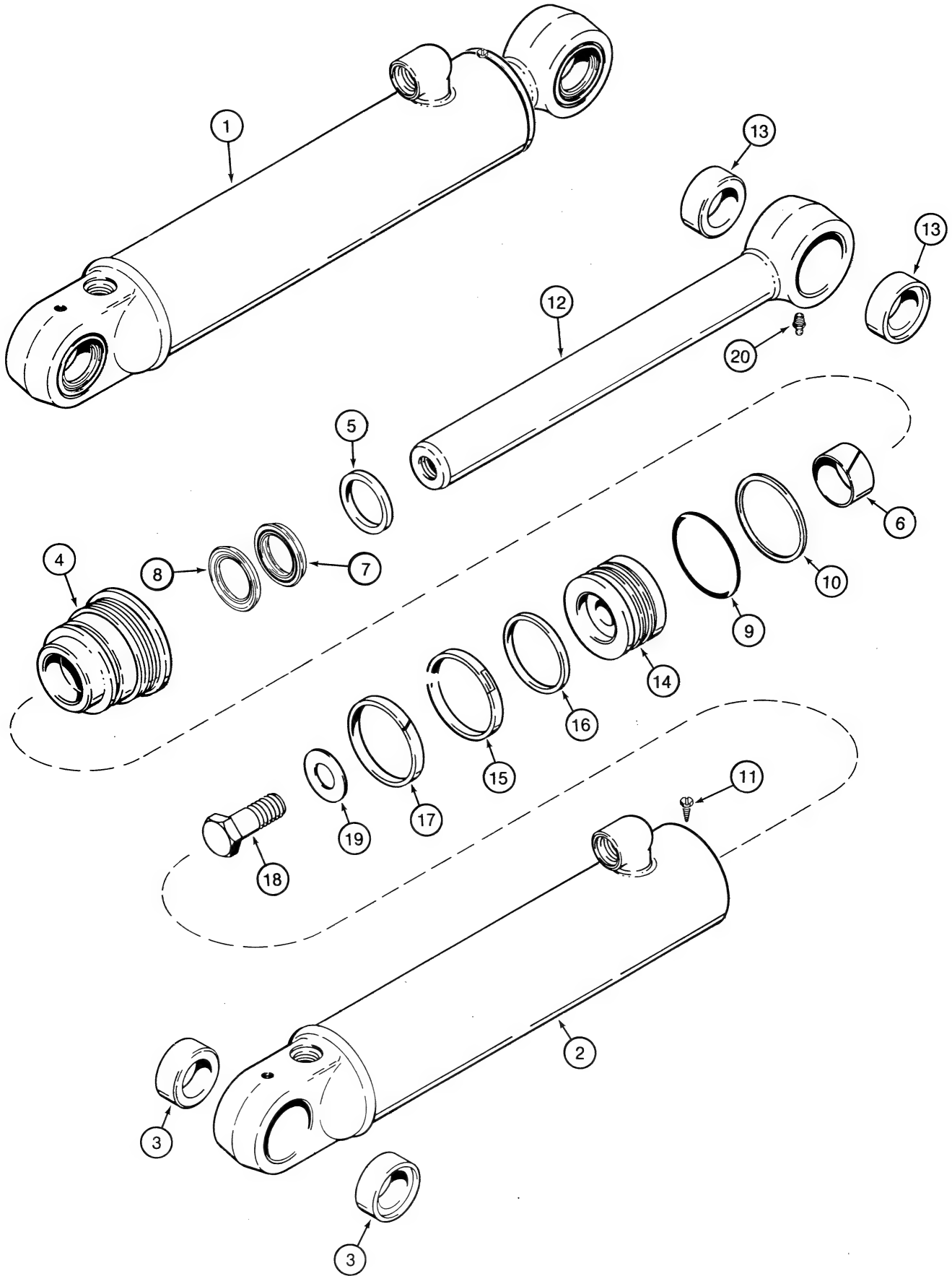


580 Super K Construction King Loader Backhoe
BACKHOE SWING CYLINDERS

8-127

REF.	PART NO.	DESCRIPTION	REQD.
1	1971702C3	CYLINDER ASSEMBLY - 3-1/2 (89) ID x 12 inch (305 mm) stroke, swing, without grease seals at rod and tube eyes, if used, see note	2
2	1971704C2	TUBE ASSEMBLY - cylinder.....	1
3	1542668C1	BUSHING - tube	2
	1971703C1	GLAND ASSEMBLY - cylinder, no longer available, order item 21 1971707C1 gland and 1543266C1 seal kit.....	1
4	NSS	GLAND - cylinder.....	1
5	*D95143	WIPER - piston rod, outer.....	1
6	*G102425	BUSHING - center	1
7	*G107922	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G109094	SEAL - buffer, grooved, piston rod, narrow.....	1
9	*238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
10	*D38858	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1978061C1	ROD ASSEMBLY - piston, 1-3/4 inch (44 mm) diameter (order 1978061C3 rod on page 8-127B).....	1
13	1542668C1	BUSHING - piston rod.....	2
14	G110110	PISTON - cylinder.....	1
15	*G102286	SEAL - piston.....	1
16	*G100710	RING - backup, piston seal.....	1
17	*G100711	RING - wear, piston.....	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
19	S94643	WASHER - flat, special.....	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
21	1971707C1	GLAND - cylinder.....	1
22	D95143	WIPER - piston rod	1
23	G102425	BUSHING - center	1
24	1542875C1	KIT - seal, NSS, not shown	1
25	1542999C1	SEAL - rod, NSS, order 1543266C1 kit below	1
26	1542998C1	SEAL - buffer, NSS, order 1543266C1 kit below	1
27	238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
28	D38858	RING - backup, gland O-ring	1
	*G110621	KIT - seal, includes all items with an asterisk, no longer available, order 1543266C1 kit below	1
	1543266C1	KIT - seal, includes items 15, 16, 17, and 22 through 28 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

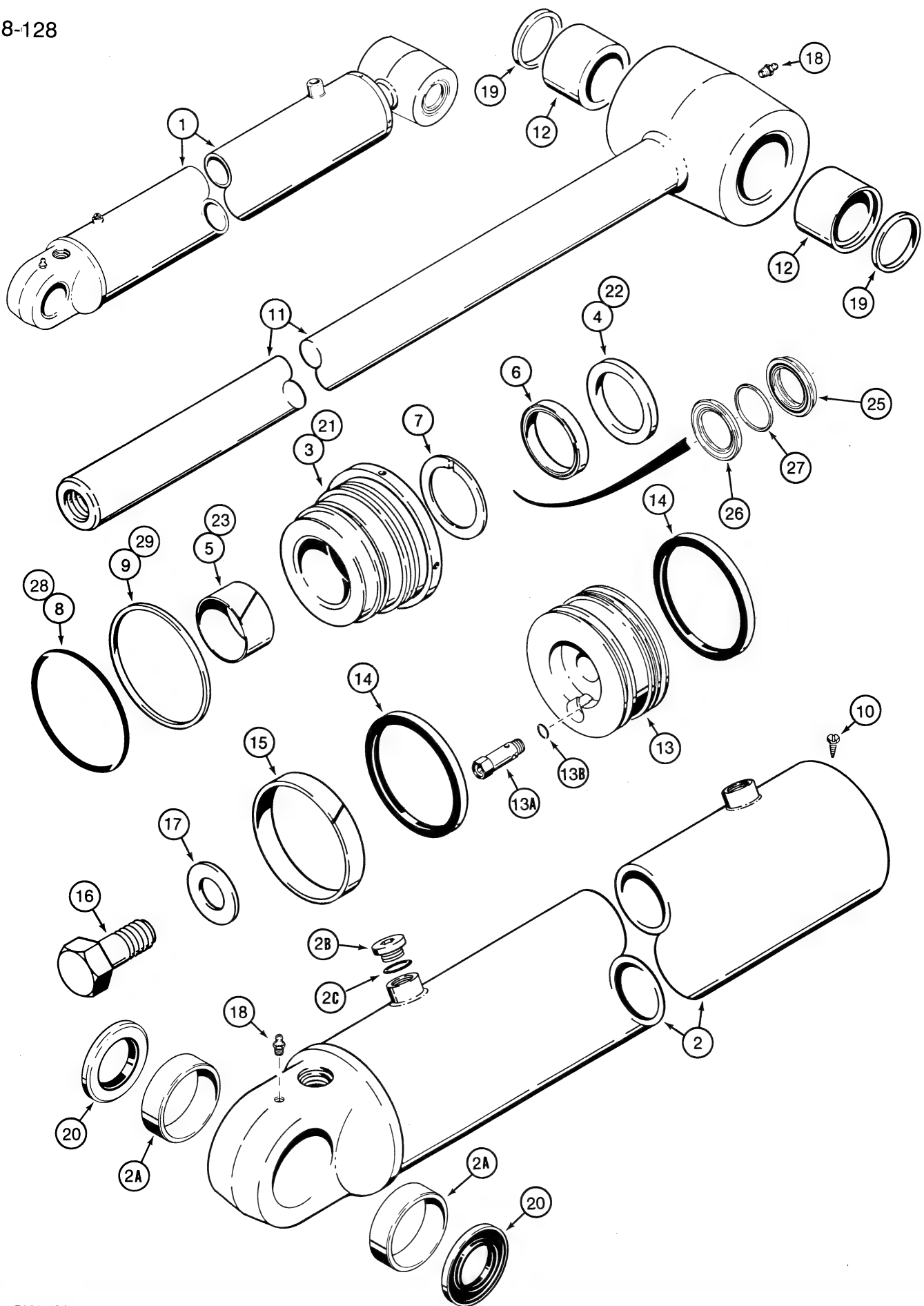


**580 Super K Construction King Loader Backhoe
BACKHOE SWING CYLINDERS**

8-127B

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1971702C4	CYLINDER ASSEMBLY - 3-1/2 (89) ID x 12 inch (305 mm) stroke, swing, without grease seals at rod and tube eyes, if used, see note	2
2	1971704C2	TUBE ASSEMBLY - cylinder.....	1
3	1542668C1	BUSHING - tube	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
4	1971707C1	GLAND - cylinder.....	1
5	*D95143	WIPER - piston rod	1
6	*G102425	BUSHING - center	1
	*1542875C1	KIT - seal, NSS, not shown	1
7	1542999C1	SEAL - rod, NSS, order 1543266C1 kit below	1
8	1542998C1	SEAL - buffer, NSS, order 1543266C1 kit below	1
9	*238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
10	*D38858	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1978061C3	ROD ASSEMBLY - piston, 1-3/4 inch (44 mm) diameter	1
13	1542668C1	BUSHING - piston rod.....	2
14	G110110	PISTON - cylinder.....	1
15	*G102286	SEAL - piston.....	1
16	*G100710	RING - backup, piston seal.....	1
17	*G100711	RING - wear, piston.....	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
19	S94643	WASHER - flat, special.....	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	1
	*1543266C1	KIT - seal, includes items 5-10, 15-17 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

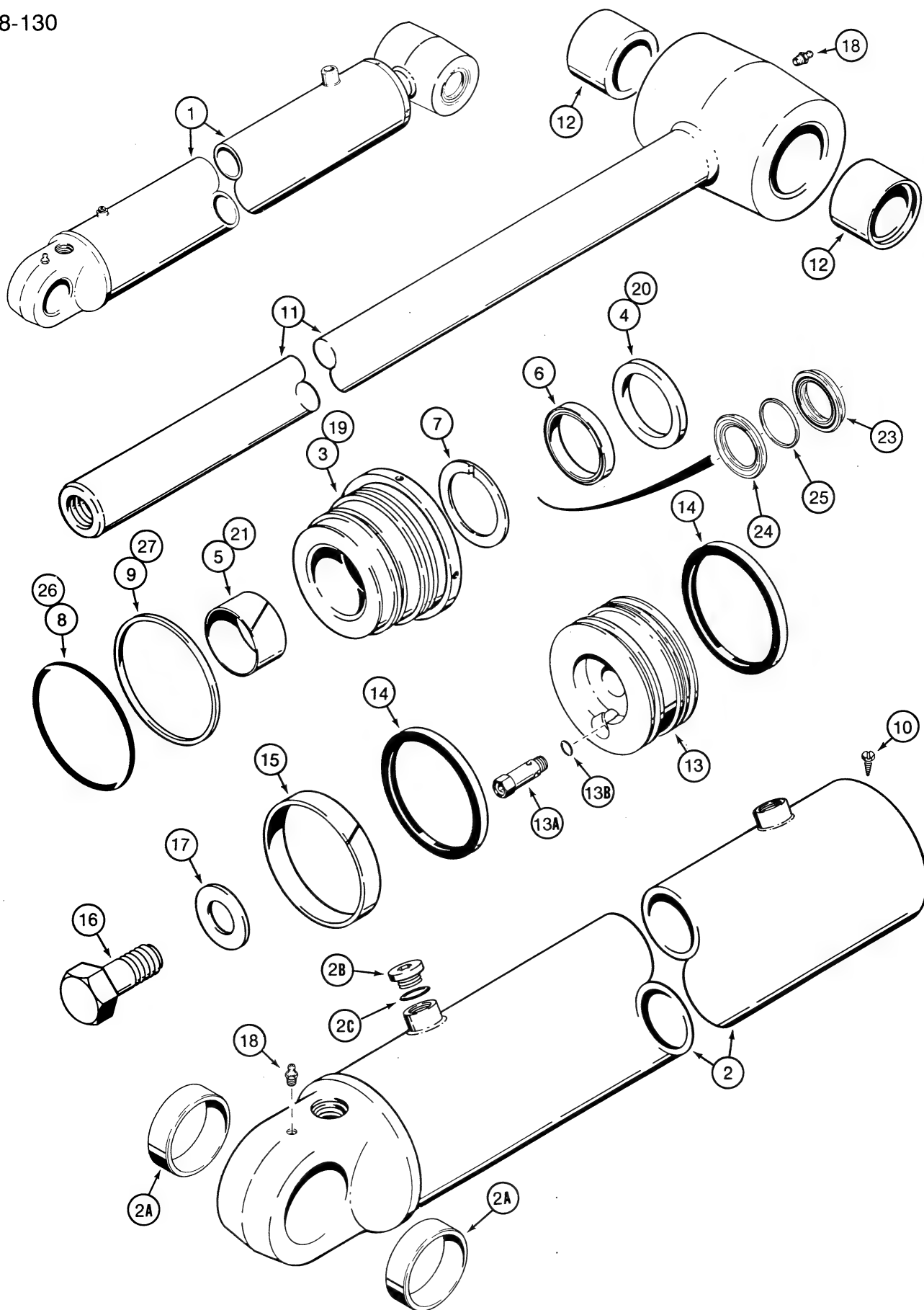


580 Super K Construction King Loader Backhoe BACKHOE BOOM CYLINDER

8-129

REF.	PART NO.	DESCRIPTION	REQD.
1	1346217C1	CYLINDER ASSEMBLY - 5 (127) ID x 33-3/16 inch (843 mm) stroke, boom, with grease seals (items 19 and 20) at rod and tube eyes, see note, no longer available, order 1543391C1 cylinder on page 8-131D 1	
2	1346015C1	TUBE - cylinder	1
2A	D144421	BUSHING - tube	2
2B	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss.....	1
2C	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	G110575	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 21 1542918C1 gland and 1542919C2 seal kit..	1
3	NSS	GLAND - cylinder.....	1
4	*G108712	WIPER - piston rod	1
5	*G102426	BUSHING - center	1
6	*G107924	SEAL - U-cup, piston rod, with O-ring, wide	1
7	*G109086	SEAL - buffer, grooved, piston rod, narrow.....	1
8	*238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
9	*G107970	RING - backup, gland O-ring	1
10	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
11	1346224C1	ROD - piston, 2-1/4 inch (57 mm) diameter.....	1
12	D141555	BUSHING - rod	2
13	1346018C1	PISTON - cylinder, used with 1958028C1 relief valve cartridge.....	1
13A	1958028C1	VALVE ASSEMBLY - relief, cartridge, internal component parts not serviced separately.....	1
13B	237-6006	O-RING - 15/32 ID x 5/64 inch wide, relief valve cartridge, external	1
14	*G110269	SEAL - piston.....	2
15	*G102090	RING - wear, piston.....	1
16	28-2048	BOLT - hex, 1-1/4 NF x 3 inch, grade 8	1
17	G104989	WASHER - flat, 1-1/4 inch, hardened	1
18	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
19	D123655	SEAL - rod end.....	2
20	D127974	SEAL - closed end	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
21	1542918C1	GLAND - cylinder, has identification groove on outer lip	1
22	D95145	WIPER - piston rod	1
23	G102426	BUSHING - center	1
24	1542877C1	KIT - seal, NSS, not shown	1
25	1542929C1	SEAL - rod, NSS, order 1542919C2 kit below	1
26	1542928C1	SEAL - buffer, NSS, order 1542919C2 kit below	1
27	1543351C1	RING - back up, NSS, no longer included in kit.....	1
28	238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
29	G107970	RING - backup, gland O-ring	1
	*G110583	KIT - seal, includes all items with an asterisk, no longer available, order 1542919C2 kit below	1
	1542919C2	KIT - seal, includes items 4, 14, 15, and 22 through 29 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

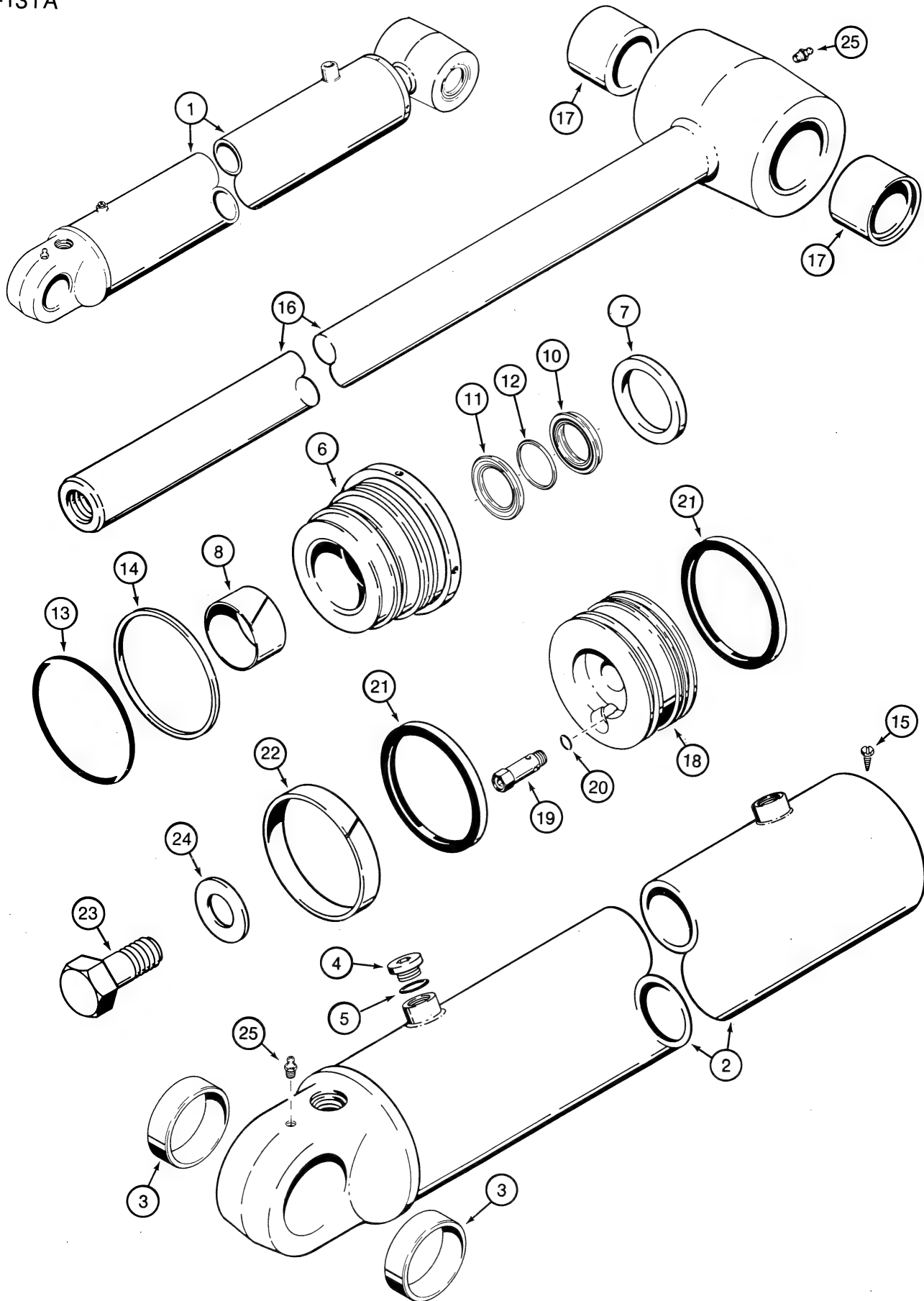


580 Super K Construction King Loader Backhoe BACKHOE BOOM CYLINDER

8-131

REF.	PART NO.	DESCRIPTION	REQD.
1	1542635C1	CYLINDER ASSEMBLY - 5 (127) ID x 33-3/16 inch (843 mm) stroke, boom, without grease seals at rod and tube eyes, see note, no longer available, order 1543391C1 cylinder on page 8-131D.....	1
2	1542636C1	TUBE - cylinder (order 132519A1 tube on page 8-131D).....	1
2A	D144421	BUSHING - tube	2
2B	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss.....	1
2C	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	G110575	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 19 1542918C1 gland and 1542919C2 seal kit..	1
3	NSS	GLAND - cylinder.....	1
4	*G108712	WIPER - piston rod	1
5	*G102426	BUSHING - center	1
6	*G107924	SEAL - U-cup, piston rod, with O-ring, wide	1
7	*G109086	SEAL - buffer, grooved, piston rod, narrow.....	1
8	*238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
9	*G107970	RING - backup, gland O-ring.....	1
10	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
11	1542638C1	ROD - piston, 2-1/4 inch (57 mm) diameter.....	1
12	D141555	BUSHING - rod.....	2
13	1346018C1	PISTON - cylinder, used with 1958028C1 relief valve cartridge.....	1
13A	1958028C1	VALVE ASSEMBLY - relief, cartridge, internal component parts not serviced separately.....	1
13B	237-6006	O-RING - 15/32 ID x 5/64 inch wide, relief valve cartridge, external.....	1
14	*G110269	SEAL - piston.....	2
15	*G102090	RING - wear, piston.....	1
16	28-2048	BOLT - hex, 1-1/4 NF x 3 inch, grade 8.....	1
17	G104989	WASHER - flat, 1-1/4 inch, hardened	1
18	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
19	1542918C1	GLAND - cylinder, has identification groove on outer lip	1
20	D95145	WIPER - piston rod	1
21	G102426	BUSHING - center	1
22	1542877C1	KIT - seal, NSS, not shown	1
23	1542929C1	SEAL - rod, NSS, order 1542919C2 kit below	1
24	1542928C1	SEAL - buffer, NSS, order 1542919C2 kit below	1
25	1543351C1	RING - back up, NSS, no longer included in kit.....	1
26	238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
27	G107970	RING - backup, gland O-ring	1
	*G110583	KIT - seal, includes all items with an asterisk, no longer available, order 1542919C2 kit below	1
	1542919C2	KIT - seal, includes items 4, 14, 15, and 20 through 27 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

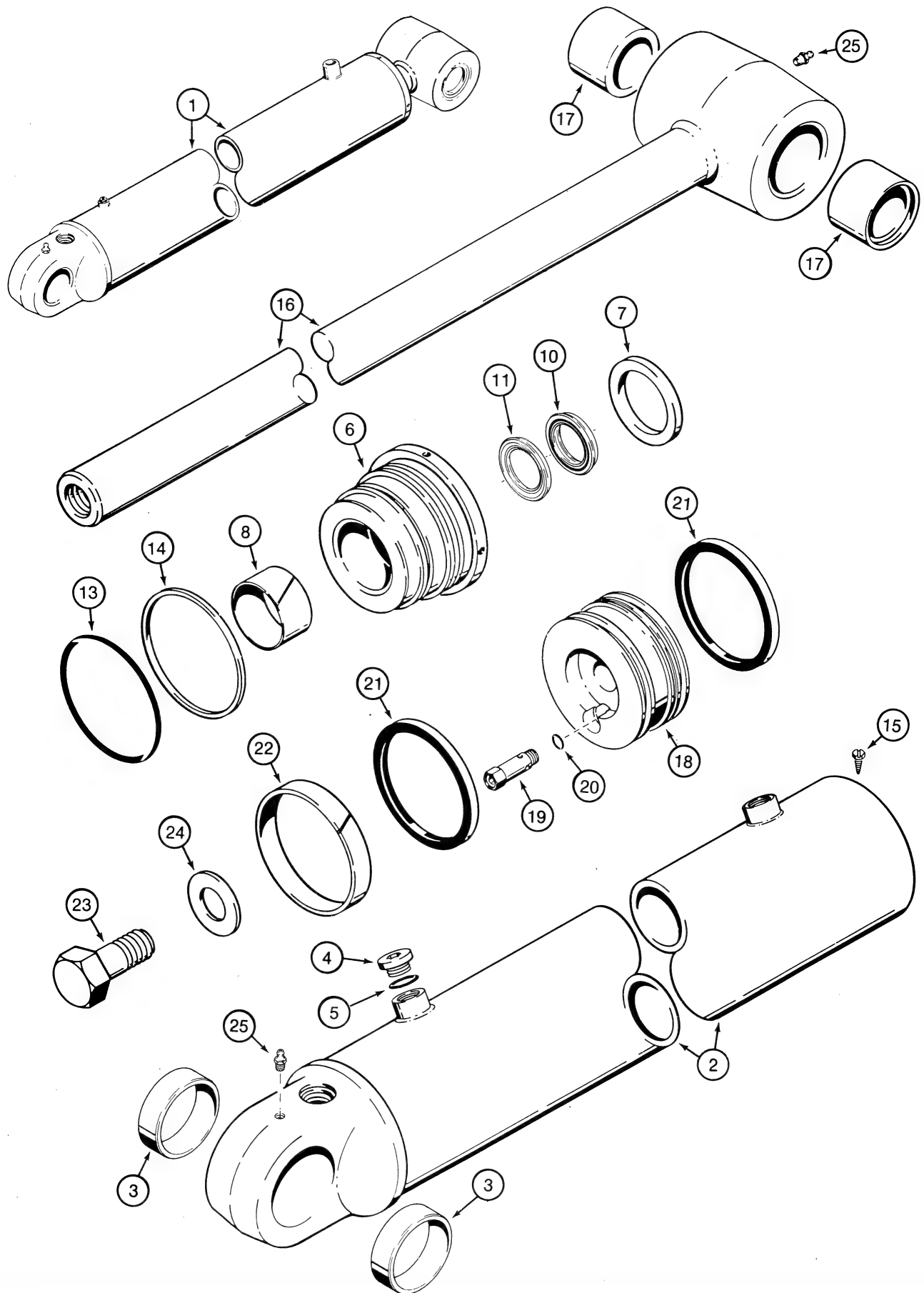


580 Super K Construction King Loader Backhoe
BACKHOE BOOM CYLINDER

8-131B

REF.	PART NO.	DESCRIPTION	REQD.
1	1542916C1	CYLINDER ASSEMBLY - 5 (127) ID x 33-3/16 inch (843 mm) stroke, boom, without grease seals at rod and tube eyes, see note, no longer available, order 1543391C1 cylinder on page 8-131D	1
2	1542636C1	TUBE - cylinder (order 132519A1 tube on page 8-131D)	1
3	D144421	BUSHING - tube	2
4	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
5	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	NSS	GLAND ASSEMBLY - cylinder	1
6	1542918C1	GLAND - cylinder, has identification groove on outer lip	1
7	D95145	WIPER - piston rod	1
8	G102426	BUSHING - center	1
9	1542877C1	KIT - seal, NSS, not shown	1
10	1542929C1	SEAL - rod, NSS, order 1542919C2 kit below	1
11	1542928C1	SEAL - buffer, NSS, order 1542919C2 kit below	1
12	1543351C1	RING - back up, NSS, no longer included in kit	1
13	238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland	1
14	G107970	RING - backup, gland O-ring	1
15	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
16	1542638C1	ROD - piston, 2-1/4 inch (57 mm) diameter	1
17	D141555	BUSHING - rod	2
18	1346018C1	PISTON - cylinder, used with 1958028C1 relief valve cartridge	1
19	1958028C1	VALVE ASSEMBLY - relief, cartridge, internal component parts not serviced separately	1
20	237-6006	O-RING - 15/32 ID x 5/64 inch wide, relief valve cartridge, external	1
21	G110269	SEAL - piston	2
22	G102090	RING - wear, piston	1
23	28-2048	BOLT - hex, 1-1/4 NF x 3 inch, grade 8	1
24	G104989	WASHER - flat, 1-1/4 inch, hardened	1
25	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
	1542919C2	KIT - seal, includes items 7 through 14, 21, and 22, also includes G108712 piston rod wiper, and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

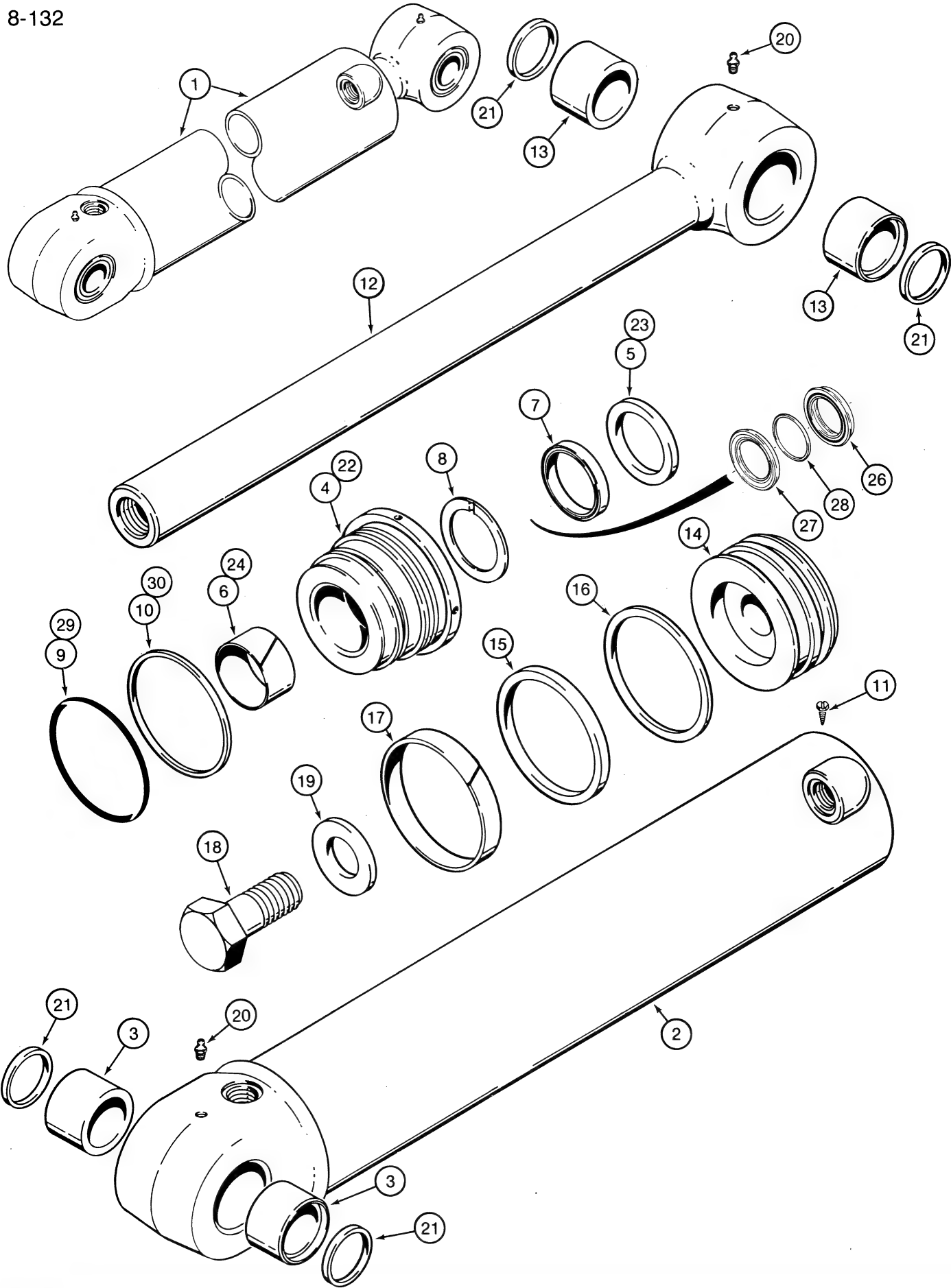


**580 Super K Construction King Loader Backhoe
BACKHOE BOOM CYLINDER**

8-131D

REF.	PART NO.	DESCRIPTION	REQD.
1	1543391C1	CYLINDER ASSEMBLY - 5 (127) ID x 33-3/16 inch (843 mm) stroke, boom, without grease seals at rod and tube eyes, see note.....	1
2	132519A1	TUBE - cylinder (replaces 1543390C1)	1
3	D151075	BUSHING - tube	2
4	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss.....	1
5	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
6	1542918C1	GLAND - cylinder, has identification groove on outer lip	1
7	*D95145	WIPER - piston rod	1
8	*G102426	BUSHING - center	1
	*1542877C1	KIT - seal, NSS	1
10	*1542929C1	SEAL - rod, NSS, order 1542919C2 kit below	1
11	*1542928C1	SEAL - buffer, NSS, order 1542919C2 kit below	1
13	*238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
14	*G107970	RING - backup, gland O-ring	1
15	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
16	1542638C1	ROD - piston, 2-1/4 inch (57 mm) diameter.....	1
17	D141555	BUSHING - rod	2
18	1346018C1	PISTON - cylinder, used with 1958028C1 relief valve cartridge.....	1
19	1958028C1	VALVE ASSEMBLY - relief, cartridge, internal component parts not serviced separately.....	1
20	237-6006	O-RING - 15/32 ID x 5/64 inch wide, relief valve cartridge, external	1
21	*G110269	SEAL - piston.....	2
22	*G102090	RING - wear, piston.....	1
23	28-2048	BOLT - hex, 1-1/4 NF x 3 inch, grade 8	1
24	G104989	WASHER - flat, 1-1/4 inch, hardened	1
25	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	*1542919C2	KIT - seal, includes items 7-14, 21 and 22; also includes G108712 piston rod wiper not used in this application, and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

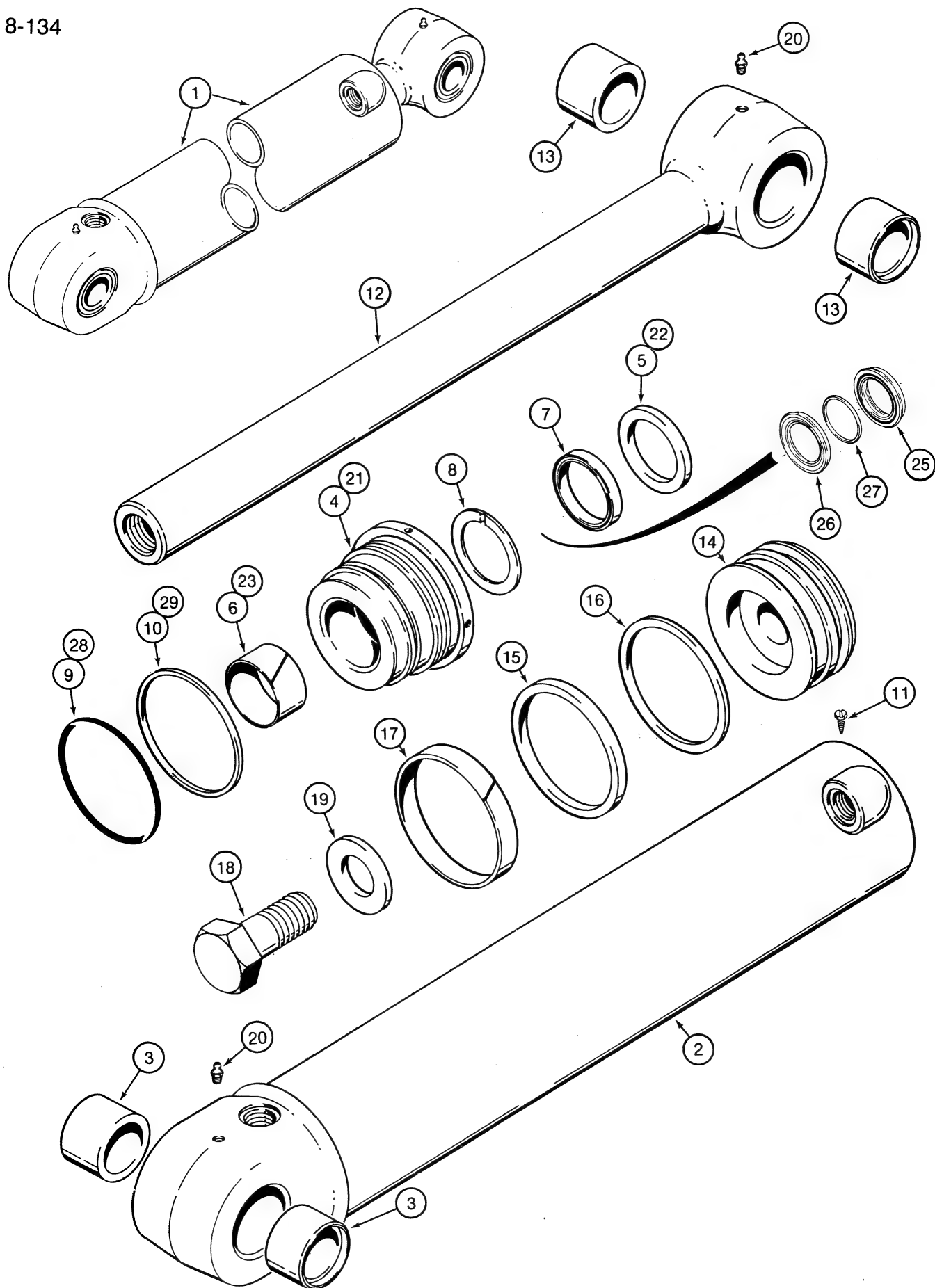


580 Super K Construction King Loader Backhoe BACKHOE DIPPER CYLINDER

8-133

REF.	PART NO.	DESCRIPTION	REQD.
1	1340984C1	CYLINDER ASSEMBLY - 5 (127) ID x 22-15/16 inch (583 mm) stroke, dipper, with grease seals (item 21) at rod and tube eyes, see note, no longer available, order 1542663C1 cylinder on page 8-135	1
2	1340985C1	TUBE - cylinder (order 110295A1 tube on page 8-135D)	1
3	D141555	BUSHING - tube	2
	G110687	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 22 1542914C1 gland and 1542915C2 seal kit..	1
4	NSS	GLAND - cylinder	1
5	*G108713	WIPER - piston rod	1
6	*G102427	BUSHING - center	1
7	*G109228	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G107998	SEAL - buffer, grooved, piston rod, narrow	1
9	*238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland	1
10	*G107970	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1341853C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder	1
13	D141555	BUSHING - rod	2
14	G110569	PISTON - cylinder	1
15	*1986753C1	SEAL - piston	1
16	*G102092	RING - backup, piston seal	1
17	*G102090	RING - wear, piston	1
18	25987R1	BOLT - hex, 1-1/2 NF x 3-1/2 inch, grade 8, replaces 28-2456	1
19	G104990	WASHER - flat, 1-1/2 inch, hardened	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
21	D123655	SEAL - rod and tube eyes	4
	NSS	GLAND ASSEMBLY - cylinder	1
22	1542914C1	GLAND - cylinder, has identification groove on outer lip	1
23	D95146	WIPER - piston rod	1
24	G102427	BUSHING - center	1
25	1542879C1	KIT - seal, NSS, not shown	1
26	1542931C1	SEAL - rod, NSS, order 1542915C2 kit below	1
27	1542930C1	SEAL - buffer, NSS, order 1542915C2 kit below	1
28	1543352C1	RING - back up, NSS, no longer included in kit	1
29	238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland	1
30	G107970	RING - backup, gland O-ring	1
	*G110582	KIT - seal, includes all items with an asterisk, no longer available, order 1542915C2 kit below	1
	1542915C2	KIT - seal, includes items 15, 16, 17, 23 through 30, a seal and wiper not used in this application, and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

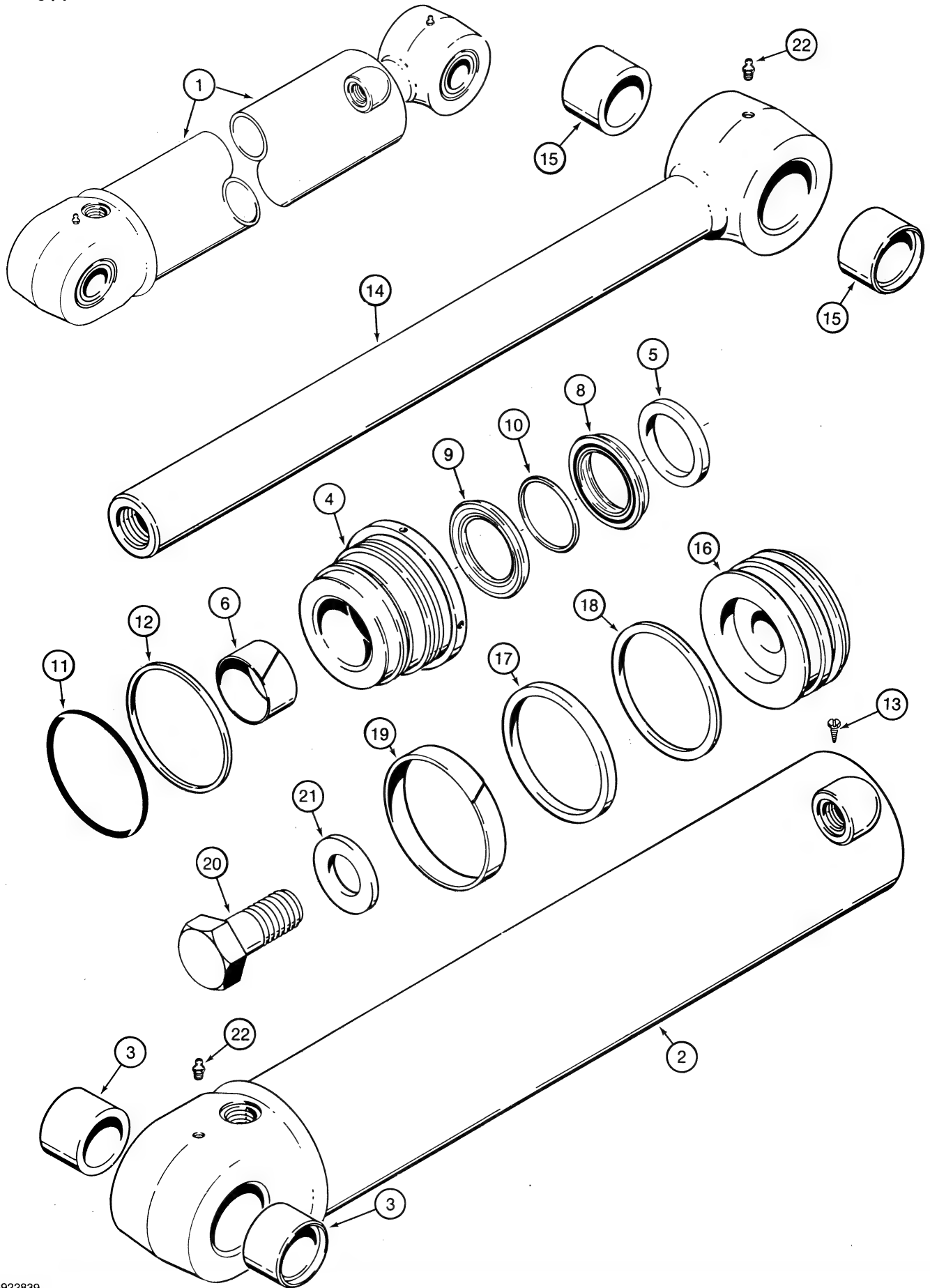


580 Super K Construction King Loader Backhoe BACKHOE DIPPER CYLINDER

8-135

REF.	PART NO.	DESCRIPTION	REQD.
1	1542663C1	CYLINDER ASSEMBLY - 5 (127) ID x 22-15/16 inch (583 mm) stroke, dipper, without grease seals at rod and tube eyes, if used, see note	1
2	1542664C1	TUBE - cylinder (order 110295A1 tube on page 8-135D).....	1
3	D141555	BUSHING - tube	2
	G110687	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 21 1542914C1 gland and 1542915C2 seal kit..	1
4	NSS	GLAND - cylinder.....	1
5	*G108713	WIPER - piston rod	1
6	*G102427	BUSHING - center	1
7	*G109228	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G107998	SEAL - buffer, grooved, piston rod, narrow	1
9	*238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
10	*G107970	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1542665C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder	1
13	D141555	BUSHING - rod	2
14	G110569	PISTON - cylinder	1
15	*1986753C1	SEAL - piston.....	1
16	*G102092	RING - backup, piston seal.....	1
17	*G102090	RING - wear, piston.....	1
18	25987R1	BOLT - hex, 1-1/2 NF x 3-1/2 inch, grade 8, replaces 28-2456	1
19	G104990	WASHER - flat, 1-1/2 inch, hardened	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
21	1542914C1	GLAND - cylinder, has identification groove on outer lip	1
22	D95146	WIPER - piston rod	1
23	G102427	BUSHING - center	1
24	1542879C1	KIT - seal, NSS, not shown	1
25	1542931C1	SEAL - rod, NSS, order 1542915C2 kit below	1
26	1542930C1	SEAL - buffer, NSS, order 1542915C2 kit below	1
27	1543352C1	RING - back up, NSS, no longer included in kit.....	1
28	238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
29	G107970	RING - backup, gland O-ring	1
	*G110582	KIT - seal, includes all items with an asterisk, no longer available, order 1542915C2 kit below	1
	1542915C2	KIT - seal, includes items 15, 16, 17, 22 through 29, a seal and wiper not used in this application, and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

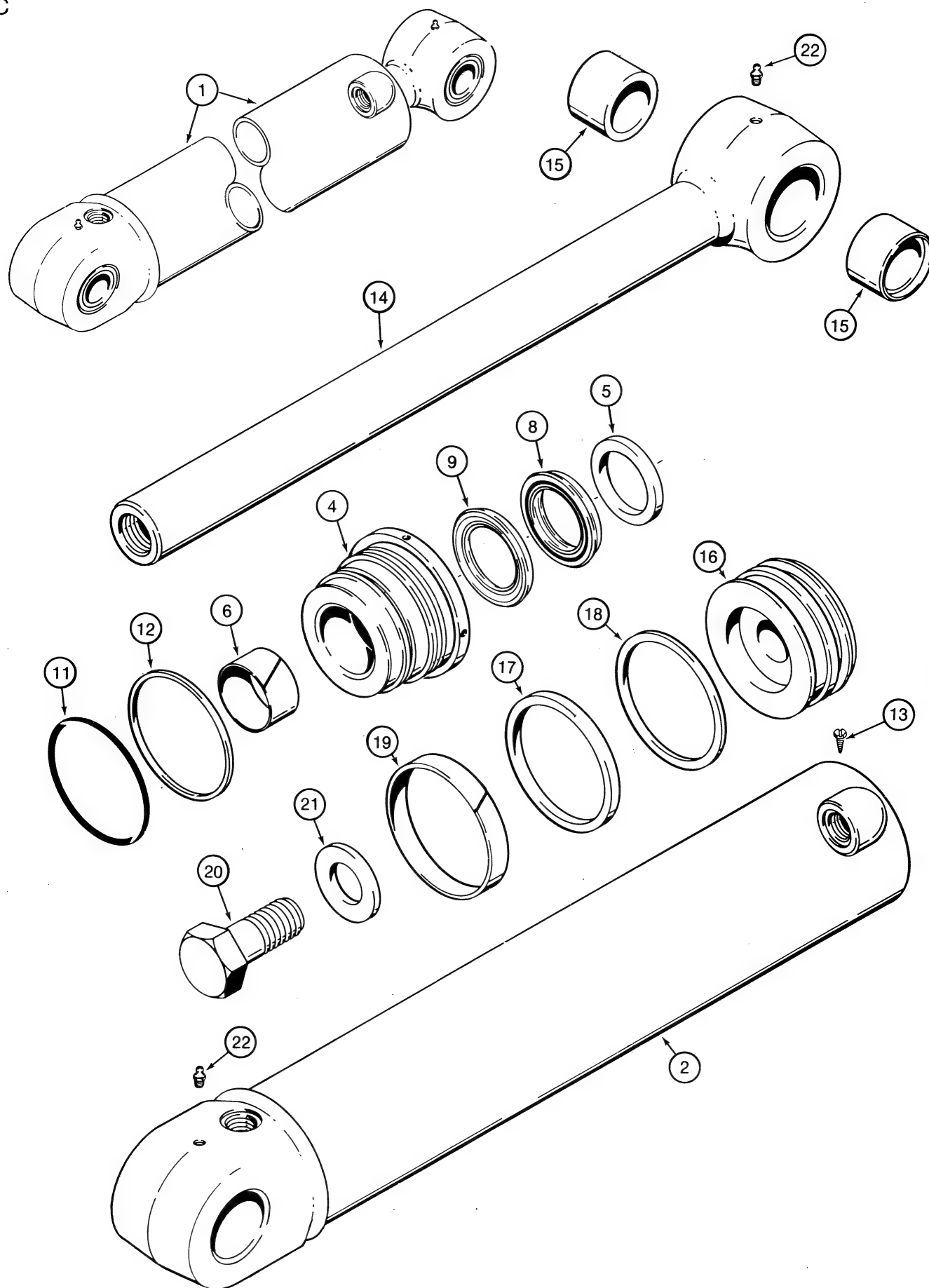


580 Super K Construction King Loader Backhoe
BACKHOE DIPPER CYLINDER

8-135B

REF.	PART NO.	DESCRIPTION	REQD.
1	1542912C1	CYLINDER ASSEMBLY - 5 (127) ID x 22-15/16 inch (583 mm) stroke, dipper, see note, no longer available, order 1542663C1 cylinder on page 8-135.....	1
2	1542664C1	TUBE - cylinder (order 110295A1 tube on page 8-135D).....	1
3	D141555	BUSHING - tube	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
4	1542914C1	GLAND - cylinder.....	1
5	*D95146	WIPER - piston rod	1
6	*G102427	BUSHING - center	1
7	*1542879C1	KIT - seal, NSS, not shown	1
8	1542931C1	SEAL - rod, NSS, order 1542915C2 kit below	1
9	1542930C1	SEAL - buffer, NSS, order 1542915C2 kit below	1
10	1543352C1	RING - back up, NSS, no longer included in kit	1
11	*238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
12	*G107970	RING - backup, gland O-ring	1
13	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
14	1542665C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder	1
15	D141555	BUSHING - rod	2
16	G110569	PISTON - cylinder	1
17	*1986753C1	SEAL - piston.....	1
18	*G102092	RING - backup, piston seal.....	1
19	*G102090	RING - wear, piston.....	1
20	25987R1	BOLT - hex, 1-1/2 NF x 3-1/2 inch, grade 8, replaces 28-2456	1
21	G104990	WASHER - flat, 1-1/2 inch, hardened	1
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	*1542915C2	KIT - seal, includes items 5-12, 17-19, a seal and wiper not used in this application, and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

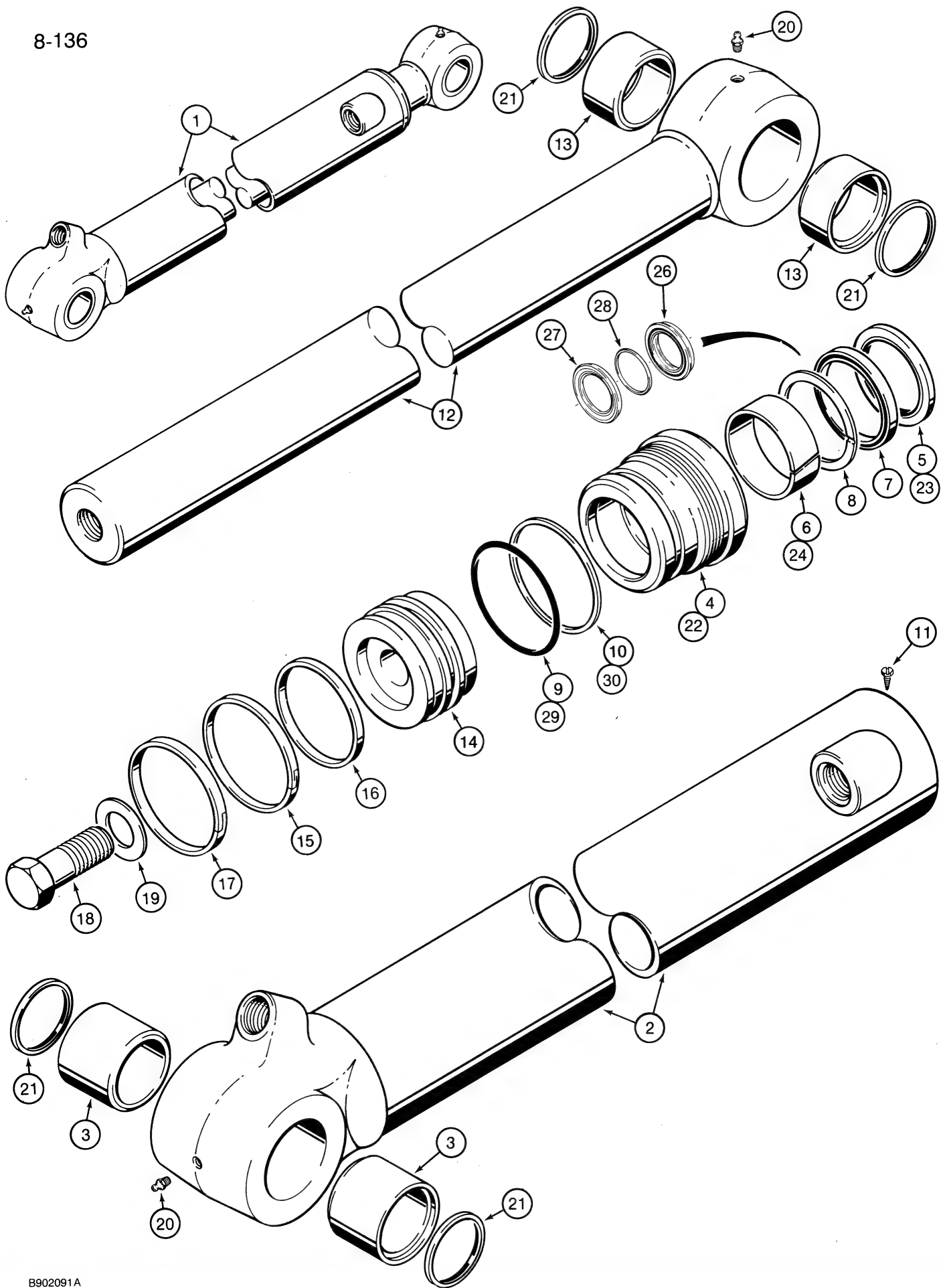


**580 Super K Construction King Loader Backhoe
BACKHOE DIPPER CYLINDER**

8-135D

REF.	PART NO.	DESCRIPTION	REQ'D.
1	110294A1	CYLINDER ASSEMBLY - 5 (127) ID x 22-15/16 inch (583 mm) stroke, dipper, if used, see note.....	1
2	110295A1	TUBE - cylinder	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
4	1542914C1	GLAND - cylinder.....	1
5	*D95146	WIPER - piston rod	1
6	*G102427	BUSHING - center	1
7	*1542879C1	KIT - seal, NSS, not shown	1
8	1542931C1	SEAL - rod, NSS, order 1542915C2 kit below	1
9	1542930C1	SEAL - buffer, NSS, order 1542915C2 kit below	1
11	*238-5247	O-RING - 4-5/8 ID x 1/8 inch wide, gland.....	1
12	*G107970	RING - backup, gland O-ring	1
13	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
14	1542665C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder	1
15	D141555	BUSHING - rod	2
16	G110569	PISTON - cylinder	1
17	*1986753C1	SEAL - piston.....	1
18	*G102092	RING - backup, piston seal.....	1
19	*G102090	RING - wear, piston.....	1
20	25987R1	BOLT - hex, 1-1/2 NF x 3-1/2 inch, grade 8, replaces 28-2456	1
21	G104990	WASHER - flat, 1-1/2 inch, hardened	1
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	*1542915C2	KIT - seal, includes items 5-12, 17-19, a seal and wiper not used in this application, and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped
on some cylinder glands or tubes.

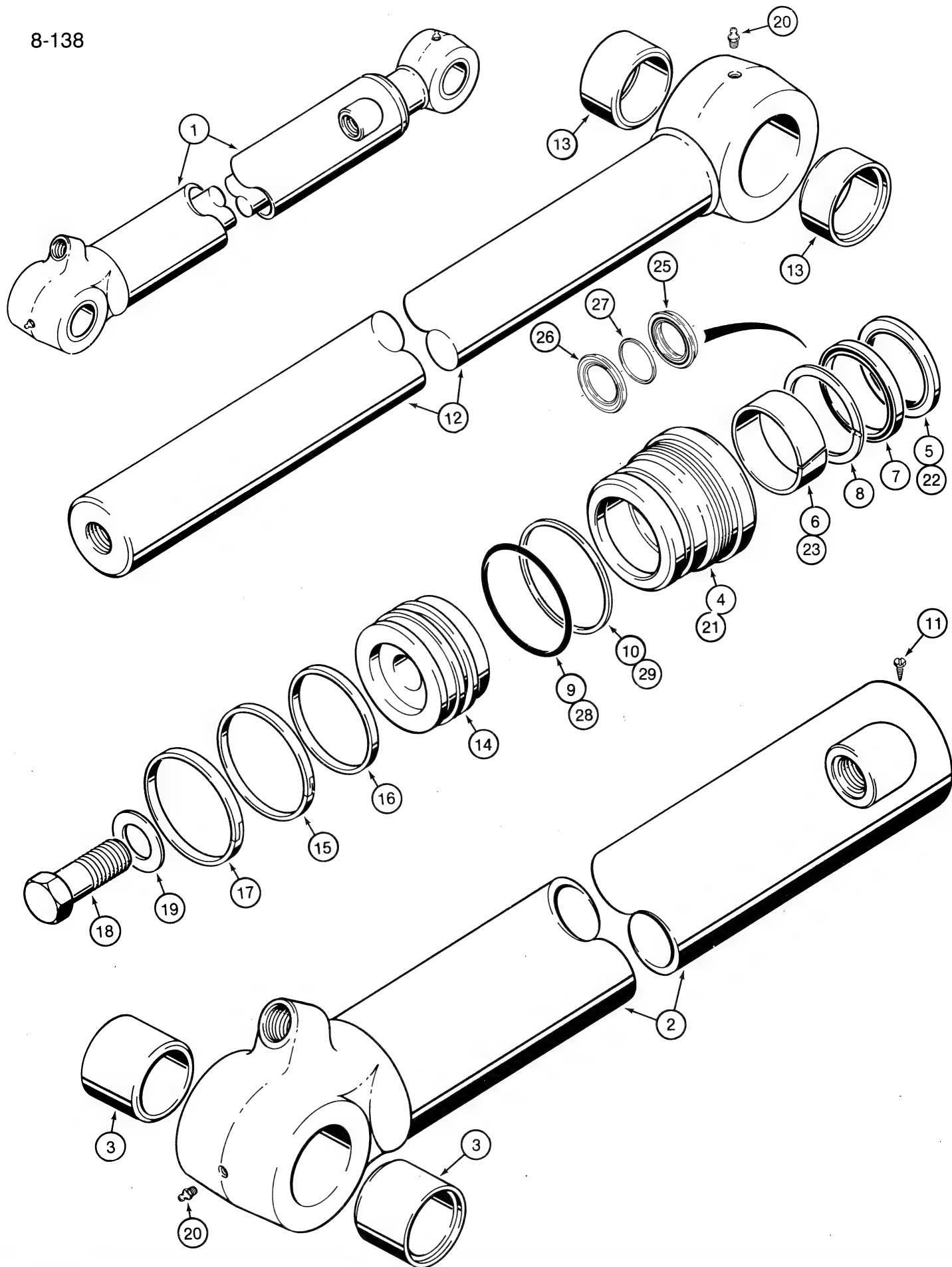


580 Super K Construction King Loader Backhoe BACKHOE BUCKET CYLINDER

8-137

REF.	PART NO.	DESCRIPTION	REQD.
1	1986901C1	CYLINDER ASSEMBLY - 3-1/2 (89) ID x 34-5/16 inch (872 mm) stroke, bucket, with grease seals (item 21) at rod and tube eyes, see note, no longer available, order 110290A1 cylinder on page 8-139D.....	1
2	1340992C1	TUBE ASSEMBLY - cylinder (order 110292A1 tube on page 8-139D)	1
3	D141555	BUSHING - tube	2
	G109894	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 22 1542922C1 gland and 1542923C2 seal kit..	1
4	NSS	GLAND - cylinder.....	1
5	*D95146	WIPER - piston rod	1
6	*G109908	BUSHING - center	1
7	*G109228	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G107998	SEAL - buffer, grooved, piston rod, narrow	1
9	*238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
10	*D38858	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1986903C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder (order 1542658C1 rod on page 8-139D).....	1
		BUSHING - piston rod	2
13	D140029	PISTON - cylinder	1
14	1986906C1	SEAL - piston.....	1
15	*G102286	RING - backup, piston seal.....	1
16	*G100710	RING - wear, piston.....	1
17	*G100711	BOLT - hex, 1-1/4 NF x 3-1/4 inch, grade 8.....	1
18	28-2052	WASHER - flat, 1-1/4 inch, hardened, special.....	1
19	G104989	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
20	219-1	SEAL - tube and rod eyes.....	4
21	D123655	GLAND ASSEMBLY - cylinder.....	1
	NSS	GLAND - cylinder, has identification groove on outer lip	1
22	1542922C1	WIPER - piston rod	1
23	D95146	BUSHING - center	1
24	G109908	KIT - seal, NSS, not shown	1
25	1542879C1	SEAL - rod, NSS, order 1542923C2 kit below	1
26	1542931C1	SEAL - buffer, NSS, order 1542923C2 kit below	1
27	1542930C1	RING - back up, NSS, no longer included in kit.....	1
28	1543352C1	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
29	238-5235	RING - backup, gland O-ring	1
30	D38858		
	*G110046	KIT - seal, includes all items with an asterisk, no longer available, order 1542923C2 kit below	1
	1542923C2	KIT - seal, includes items 15-17, 23-30 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

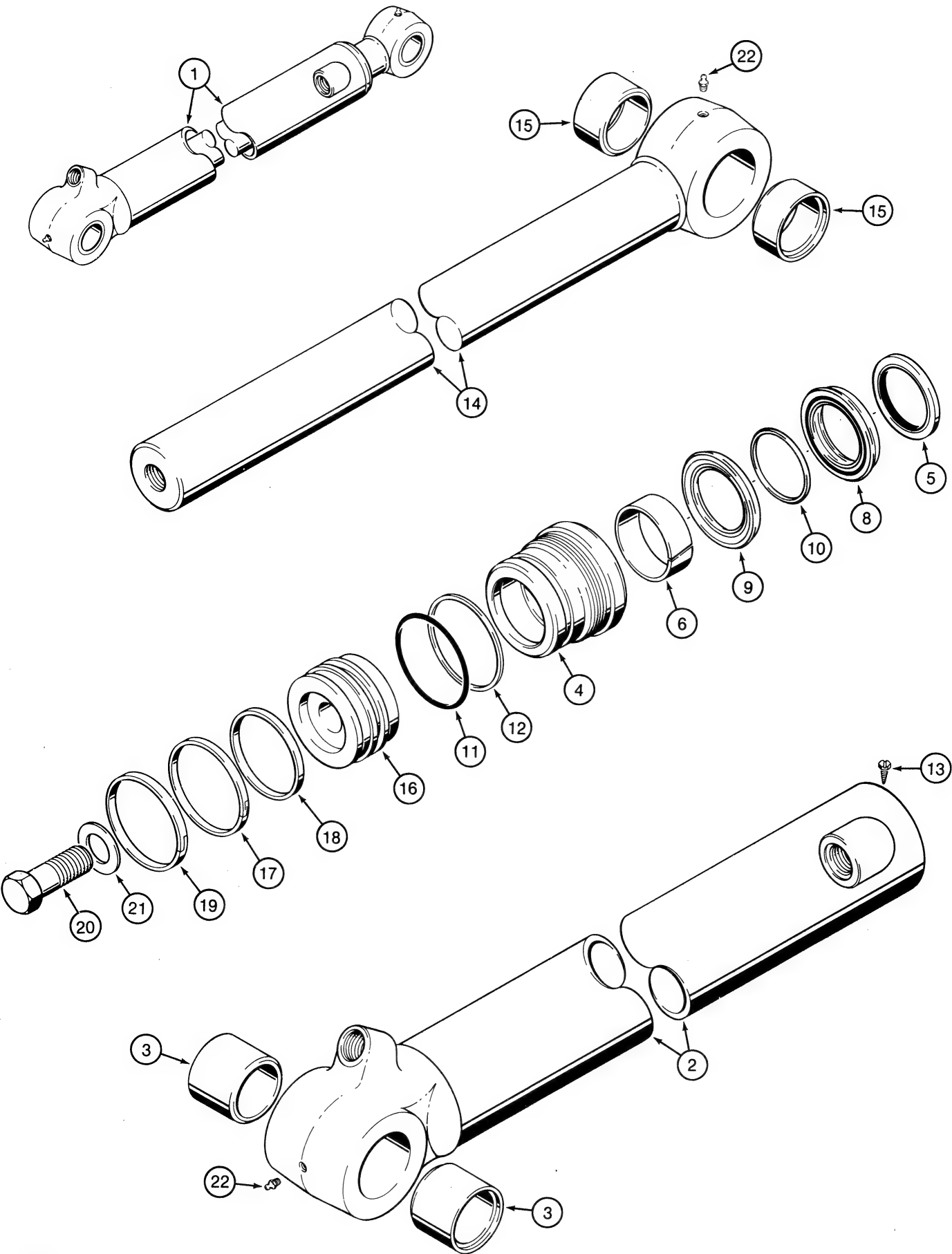


580 Super K Construction King Loader Backhoe BACKHOE BUCKET CYLINDER

8-139

REF.	PART NO.	DESCRIPTION	REQD.
1	1542655C1	CYLINDER ASSEMBLY - 3-1/2 (89) ID x 34-5/16 inch (872 mm) stroke, bucket, without grease seals at rod and tube eyes, see note, no longer available, order 110290A1 cylinder on page 8-139D.....	1
2	1542656C1	TUBE ASSEMBLY - cylinder (order 110292A1 tube on page 8-139D)	1
3	D141555	BUSHING - tube	2
	G109894	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 21 1542922C1 gland and 1542923C2 seal kit..	1
4	NSS	GLAND - cylinder.....	1
5	*D95146	WIPER - piston rod.....	1
6	*G109908	BUSHING - center	1
7	*G109228	SEAL - U-cup, with O-ring, piston rod, wide	1
8	*G107998	SEAL - buffer, grooved, piston rod, narrow.....	1
9	*238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
10	*D38858	RING - backup, gland O-ring.....	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	1542658C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder	1
13	D140029	BUSHING - piston rod.....	2
14	1986906C1	PISTON - cylinder.....	1
15	*G102286	SEAL - piston.....	1
16	*G100710	RING - backup, piston seal.....	1
17	*G100711	RING - wear, piston.....	1
18	28-2052	BOLT - hex, 1-1/4 NF x 3-1/4 inch, grade 8.....	1
19	G104989	WASHER - flat, 1-1/4 inch, hardened, special.....	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
21	1542922C1	GLAND - cylinder, has identification groove on outer lip	1
22	D95146	WIPER - piston rod	1
23	G109908	BUSHING - center	1
24	1542879C1	KIT - seal, NSS, not shown	1
25	1542931C1	SEAL - rod, NSS, order 1542923C2 kit below	1
26	1542930C1	SEAL - buffer, NSS, order 1542923C2 kit below	1
27	1543352C1	RING - back up, NSS, no longer included in kit.....	1
28	238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
29	D38858	RING - backup, gland O-ring	1
	*G110046	KIT - seal, includes all items with an asterisk, no longer available, order 1542923C2 kit below	1
	1542923C2	KIT - seal, includes items 15-17, 22-29 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

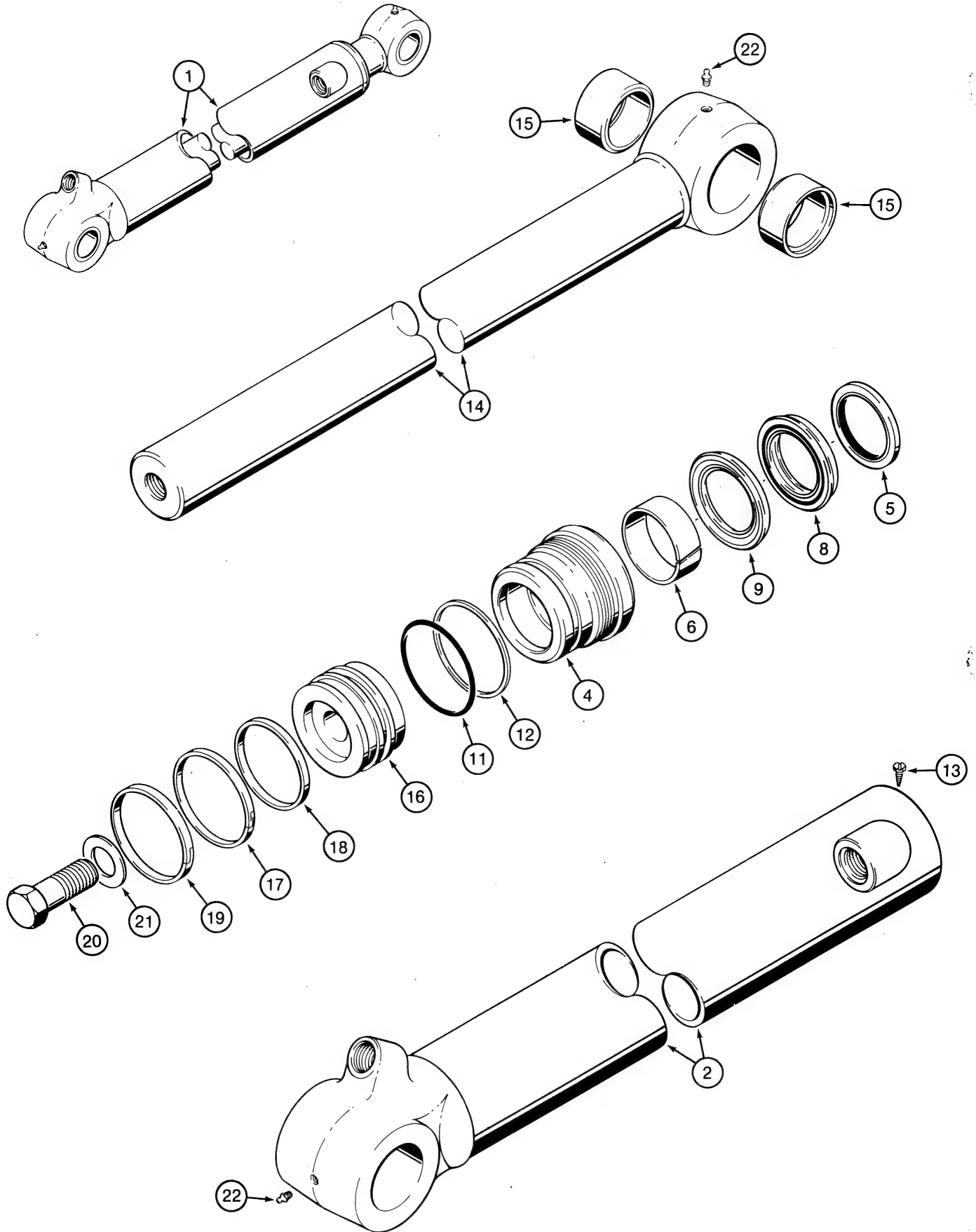


580 Super K Construction King Loader Backhoe
BACKHOE BUCKET CYLINDER

8-139B

REF.	PART NO.	DESCRIPTION	REQD.
1	1542920C1	CYLINDER ASSEMBLY - 3-1/2 (89) ID x 34-5/16 inch (872 mm) stroke, bucket, see note, no longer available, order 110290A1 cylinder on page 8-139D	1
2	1542656C1	TUBE ASSEMBLY - cylinder (order 110292A1 tube on page 8-139D) 1	1
3	D141555	BUSHING - tube	2
	NSS	GLAND ASSEMBLY - cylinder	1
4	1542922C1	GLAND - cylinder	1
5	*D95146	WIPER - piston rod	1
6	*G109908	BUSHING - center	1
7	*1542879C1	KIT - seal, NSS, not shown	1
8	1542931C1	SEAL - rod, NSS, order 1542923C2 kit below	1
9	1542930C1	SEAL - buffer, NSS, order 1542923C2 kit below	1
10	1543352C1	RING - back up, NSS, no longer included in kit	1
11	*238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland	1
12	*D38858	RING - backup, gland O-ring	1
13	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
14	1986903C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder (order 1542658C1 rod on page 8-139D)	1
15	D140029	BUSHING - piston rod	2
16	1986906C1	PISTON - cylinder	1
17	*G102286	SEAL - piston	1
18	*G100710	RING - backup, piston seal	1
19	*G100711	RING - wear, piston	1
20	28-2052	BOLT - hex, 1-1/4 NF x 3-1/4 inch, grade 8	1
21	G104989	WASHER - flat, 1-1/4 inch, hardened, special	1
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
	*1542923C2	KIT - seal, includes items 5-12, 17-19 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

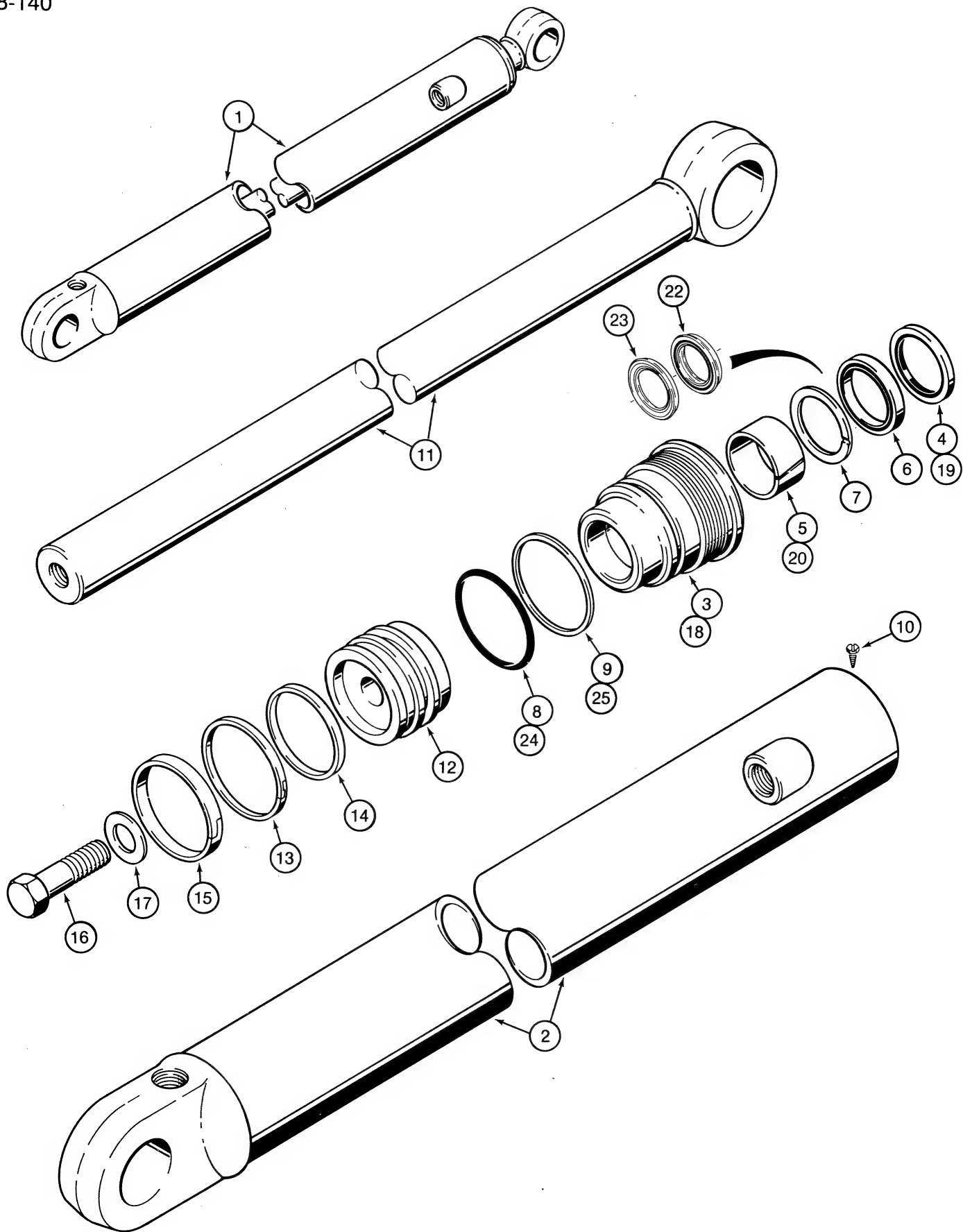


**580 Super K Construction King Loader Backhoe
BACKHOE BUCKET CYLINDER**

8-139D

REF.	PART NO.	DESCRIPTION	REQD.
1	110290A1	CYLINDER ASSEMBLY - 3-1/2 (89) ID x 34-5/16 inch (872 mm) stroke, bucket, if used, see note	1
2	110292A1	TUBE ASSEMBLY - cylinder.....	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
4	1542922C1	GLAND - cylinder.....	1
5	*D95146	WIPER - piston rod.....	1
6	*G109908	BUSHING - center	1
7	*1542879C1	KIT - seal, NSS, not shown	1
8	1542931C1	SEAL - rod, NSS, order 1542923C2 kit below	1
9	1542930C1	SEAL - buffer, NSS, order 1542923C2 kit below	1
11	*238-5235	O-RING - 3-1/8 ID x 1/8 inch wide, gland.....	1
12	*D38858	RING - backup, gland O-ring	1
13	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
14	1542658C1	ROD ASSEMBLY - piston, 2-1/2 inch (64 mm) diameter, cylinder	1
15	D140029	BUSHING - piston rod.....	2
16	1986906C1	PISTON - cylinder.....	1
17	*G102286	SEAL - piston.....	1
18	*G100710	RING - backup, piston seal.....	1
19	*G100711	RING - wear, piston.....	1
20	28-2052	BOLT - hex, 1-1/4 NF x 3-1/4 inch, grade 8.....	1
21	G104989	WASHER - flat, 1-1/4 inch, hardened, special.....	1
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	*1542923C2	KIT - seal, includes items 5-12, 17-19 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

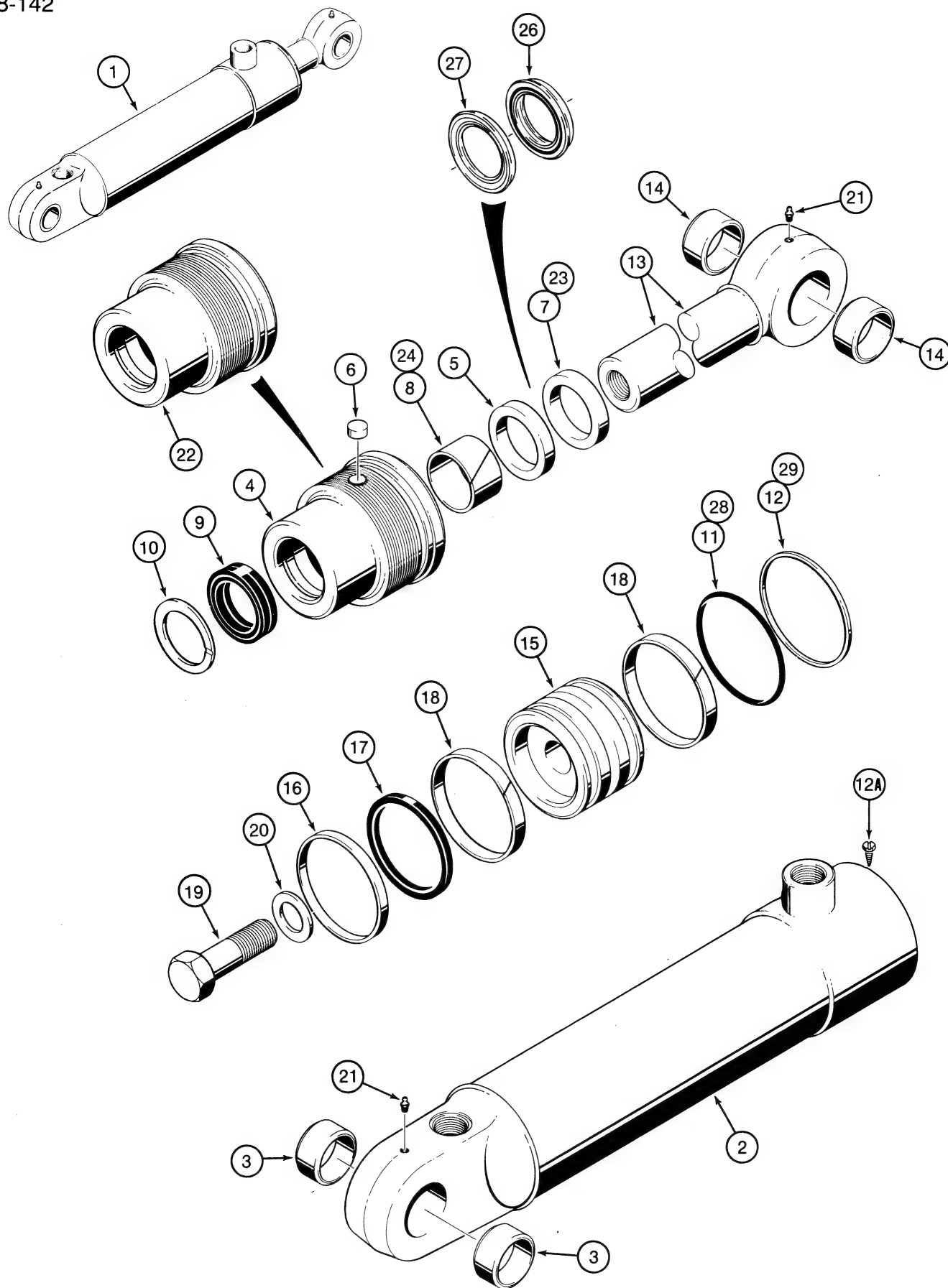


580 Super K Construction King Loader Backhoe BACKHOE DIPPER EXTENSION CYLINDER

8-141

REF.	PART NO.	DESCRIPTION	REQD.
1	1340969C1	CYLINDER ASSEMBLY - 3 (76) ID x 42-1/16 inch (1068 mm) stroke, dipper extension, see note	1
2	1340970C1 G109885	TUBE - cylinder, without bushing..... GLAND ASSEMBLY - cylinder, no longer available, order item 18 G109884 gland and 1543267C1 seal kit.....	1 1
3	NSS	GLAND - cylinder.....	1
4	*D95143	WIPER - piston rod	1
5	*G102425	BUSHING - center	1
6	*G107922	SEAL - U-cup, with O-ring, piston rod, wide	1
7	*G109094	SEAL - buffer, grooved, piston rod, narrow	1
8	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland.....	1
9	*G109298	RING - backup, gland O-ring	1
10	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
11	1980296C1	ROD - piston, 1-3/4 inch (44 mm) diameter, without bushing.....	1
12	G107277	PISTON - cylinder	1
13	*G102288	SEAL - piston.....	1
14	*G100444	RING - backup, piston seal.....	1
15	*G100449	RING - wear, piston.....	1
16	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
17	S94643	WASHER - flat, special.....	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
18	G109884	GLAND - cylinder.....	1
19	D95143	WIPER - piston rod	1
20	G102425	BUSHING - center	1
21	1542875C1	KIT - seal, NSS, not shown	1
22	1542999C1	SEAL - rod, NSS, order 1543267C1 kit below	1
23	1542998C1	SEAL - buffer, NSS, order 1543267C1 kit below	1
24	238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland.....	1
25	G109298	RING - backup, gland O-ring	1
	*G110049	KIT - seal, includes all items with an asterisk, no longer available, order 1543267C1 kit below	1
	1543267C1	KIT - seal, includes items 13, 14, 15, and 19 through 25 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

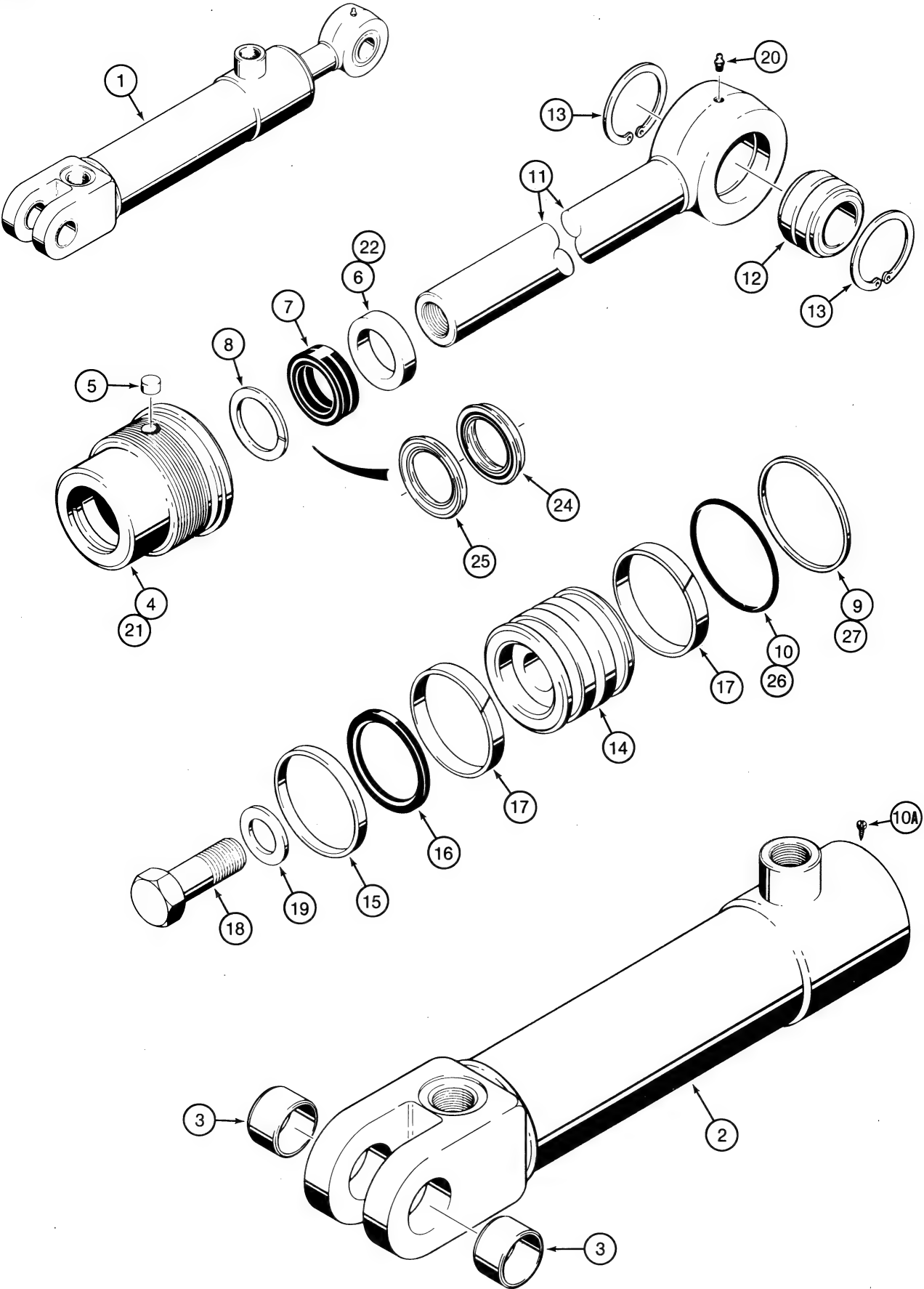


580 Super K Construction King Loader Backhoe THREE-POINT HITCH LIFT CYLINDER

8-143

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G101189	CYLINDER ASSEMBLY - 3 (76) ID x 8-3/8 inch (213 mm) stroke, lift, see note.....	1
2	G32330	TUBE ASSEMBLY - cylinder.....	1
3	30634	BUSHING - tube.....	2
	G104222	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 22 1542962C1 gland and 1543252C1 seal kit..	1
4	NSS	GLAND - cylinder.....	1
5	NSS	RING - retaining, bushing.....	1
6	G102569	PLUG - nylon, thread locking, gland, if used.....	1
7	*D95142	WIPER - piston rod.....	1
8	*G102424	BUSHING - center.....	1
9	*G107921	SEAL - U-cup, with O-ring, piston rod, wide.....	1
9	G100776	SEAL - U-cup, piston rod, service option - severe heat or cold.....	1
10	*G109093	SEAL - buffer, grooved, piston rod, narrow.....	1
11	*238-5234	O-RING - 3 ID x 1/8 inch wide.....	1
12	*G32122	RING - backup, gland O-ring.....	1
12A	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch, if used.....	1
13	G33457	ROD ASSEMBLY - piston, 1-1/2 inch (38 mm) diameter.....	1
14	30634	BUSHING - piston rod.....	2
15	G100442	PISTON - cylinder.....	1
16	*G102288	SEAL - piston.....	1
17	*G100444	RING - backup, piston seal.....	1
18	*G100449	RING - wear, piston.....	2
19	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240.....	1
20	G32317	WASHER - hardened.....	1
21	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
22	1542962C1	GLAND - cylinder, has identification groove on outer lip.....	1
23	D95142	WIPER - piston rod.....	1
24	G102424	BUSHING - center.....	1
25	1542874C1	KIT - seal, NSS, not shown.....	1
26	1542997C1	SEAL - rod, NSS, order 1543252C1 kit below.....	1
27	1542996C1	SEAL - buffer, NSS, order 1543252C1 kit below.....	1
28	238-5234	O-RING - 3 ID x 1/8 inch wide.....	1
29	G32122	RING - backup, gland O-ring.....	1
	*G109452	KIT - seal, includes all items with an asterisk, no longer available, order 1543252C1 seal kit below.....	1
	1543252C1	KIT - seal, includes items 10, 16, 17, 18, and 23 through 29 and an instruction sheet.....	1

NOTE: The cylinder assembly part number is stamped
on some cylinder glands or tubes.

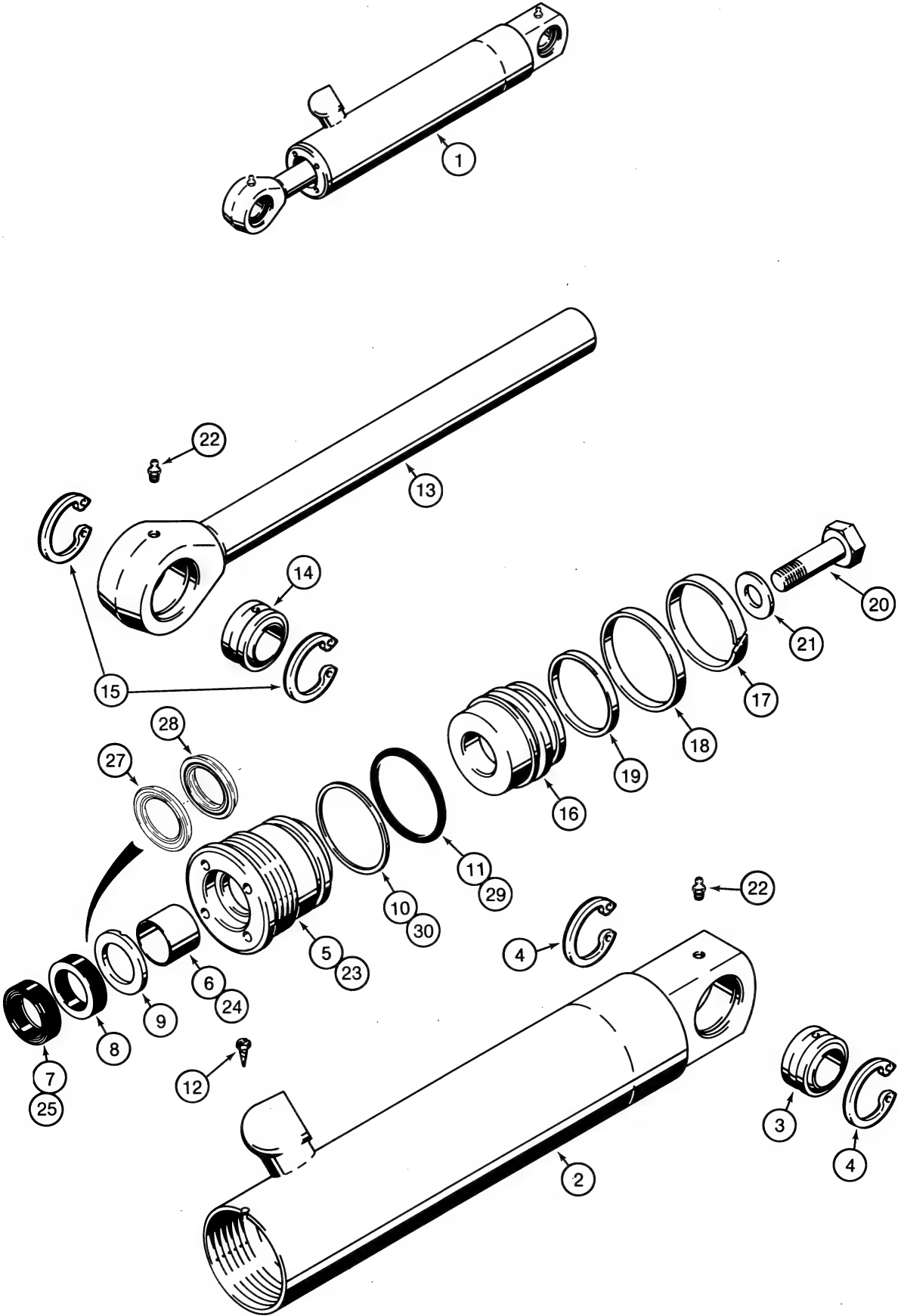


580 Super K Construction King Loader Backhoe THREE-POINT HITCH LIFT CYLINDER

8-145

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G101188	CYLINDER ASSEMBLY - 2-1/2 (64) ID x 6-19/64 inch (160 mm) stroke, tilt, see note.....	1
2	G32313	TUBE ASSEMBLY - cylinder.....	1
3	D34359	BUSHING - tube	2
	G104915	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 21 1542939C1 gland and 1543250C1 seal kit..	1
4	NSS	GLAND - cylinder.....	1
5	G102569	PLUG - nylon, thread locking, gland, if used.....	1
6	*D95141	WIPER - piston rod.....	1
7	*D36968	SEAL - U-cup, piston rod, wide	1
7	G100775	SEAL - U-cup, piston rod, service option - severe heat or cold.....	1
8	*G109092	SEAL - buffer, grooved, piston rod, narrow.....	1
9	*G32129	RING - backup, gland O-ring.....	1
10	*A28318	O-RING - gland.....	1
10A	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch, if used	1
11	G33352	ROD ASSEMBLY - piston, 1-1/4 inch (32 mm) diameter	1
12	D22200	BUSHING - piston rod, self-aligning	1
13	100-21162	RING - snap, retaining, replaces D27833.....	2
14	G100708	PISTON - cylinder.....	1
15	*G102289	SEAL - piston.....	1
16	*G100713	RING - backup, piston seal.....	1
17	*G100714	RING - wear, piston.....	2
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8, replaces 28-1240	1
19	G32317	WASHER - hardened.....	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	1
	NSS	GLAND ASSEMBLY - cylinder.....	1
21	1542939C1	GLAND - cylinder, has identification groove on outer lip	1
22	D95141	WIPER - piston rod	1
23	1542873C1	KIT - seal, NSS, not shown	1
24	1543006C1	SEAL - rod, NSS, order 1543250C1 kit below	1
25	1543005C1	SEAL - buffer, NSS, order 1543250C1 kit below	1
26	238-5230	O-RING - 2-1/2 ID x 1/8 inch wide.....	1
27	G32129	RING - backup, gland O-ring.....	1
	*G109475	KIT - seal, includes all items with an asterisk, no longer available, order 1543250C1 seal kit below	1
	1543250C1	KIT - seal, includes items 8, 15, 16, 17, and 22 through 27 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.



580 Super K Construction King Loader Backhoe THREE-POINT HITCH PITCH CYLINDER

8-147

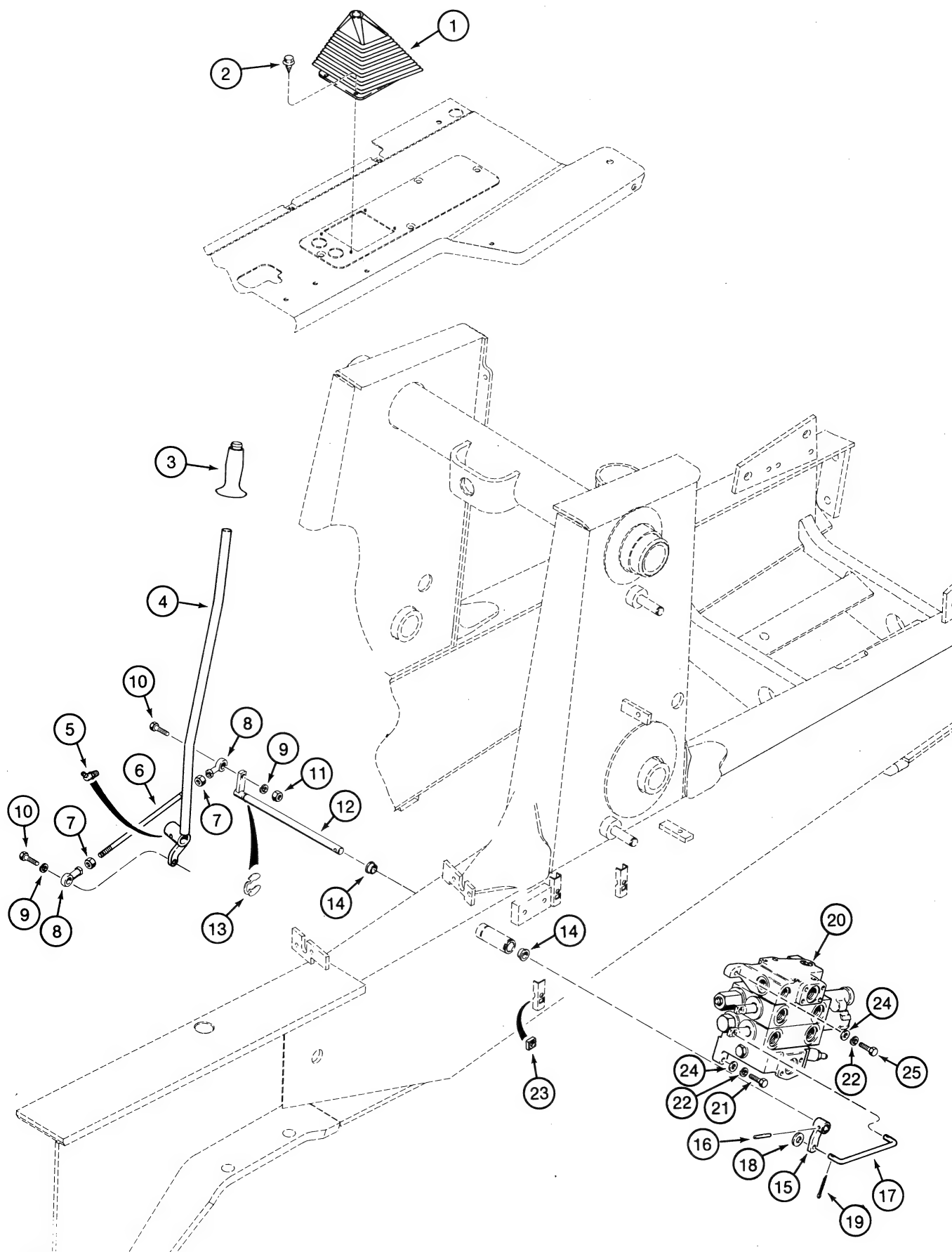
REF.	PART NO.	DESCRIPTION	REQD.
1	1976884C1	CYLINDER ASSEMBLY - 2-1/2 (64) ID x 7 inch (178 mm) stroke, pitch, see note	1
2	G109852	TUBE ASSEMBLY - cylinder.....	1
3	D22200	BUSHING - tube, self-aligning.....	1
4	100-21162	RING - snap, bushing retaining, replaces D27833.....	2
	G108971	GLAND ASSEMBLY - cylinder, has smooth outer lip, no longer available, order item 23 1542933C1 gland and 1543249C1 seal kit..	1
5	NSS	GLAND - cylinder.....	1
6	*G102864	BUSHING - center	1
7	*D95141	WIPER - piston rod	1
8	*D36968	SEAL - U-cup, piston rod, wide	1
9	*G109092	SEAL - buffer, grooved, piston rod, narrow	1
10	*G109297	RING - backup, gland O-ring	1
11	*238-5228	O-RING - 2-1/4 ID x 1/8 inch.....	1
12	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
13	1976902C1	ROD ASSEMBLY - piston, 1-1/4 inch (32 mm) diameter.....	1
14	D22200	BUSHING - rod, self-aligning	1
15	100-21162	RING - snap, bushing retaining, replaces D27833.....	2
16	G108977	PISTON - cylinder.....	1
17	*G100714	RING - wear, piston.....	1
18	*G102289	SEAL - piston.....	1
19	*G100713	RING - backup, piston seal.....	1
20	28-1036	BOLT - hex, 5/8 NF x 2-1/4 inch, grade 8.....	1
21	D43266	WASHER - flat, 21/32 x 1-5/16 x 9/64 inch, hardened	1
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch.....	2
	NSS	GLAND ASSEMBLY - cylinder.....	1
23	1542933C1	GLAND - cylinder, has identification groove on outer lip	1
24	G102864	BUSHING - center	1
25	D95141	WIPER - piston rod	1
26	1542873C1	KIT - seal, NSS, not shown	1
27	1543006C1	SEAL - rod, NSS, order 1543249C1 kit below	1
28	1543005C1	SEAL - buffer, NSS, order 1543249C1 kit below	1
29	238-5228	O-RING - 2-1/4 ID x 1/8 inch wide	1
30	G109297	RING - backup, gland O-ring	1
	*G109475	KIT - seal, includes all items with an asterisk, no longer available, order 1543249C1 seal kit below	1
	1543249C1	KIT - seal, includes items 9, 17, 18, 19, and 24 through 30 and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

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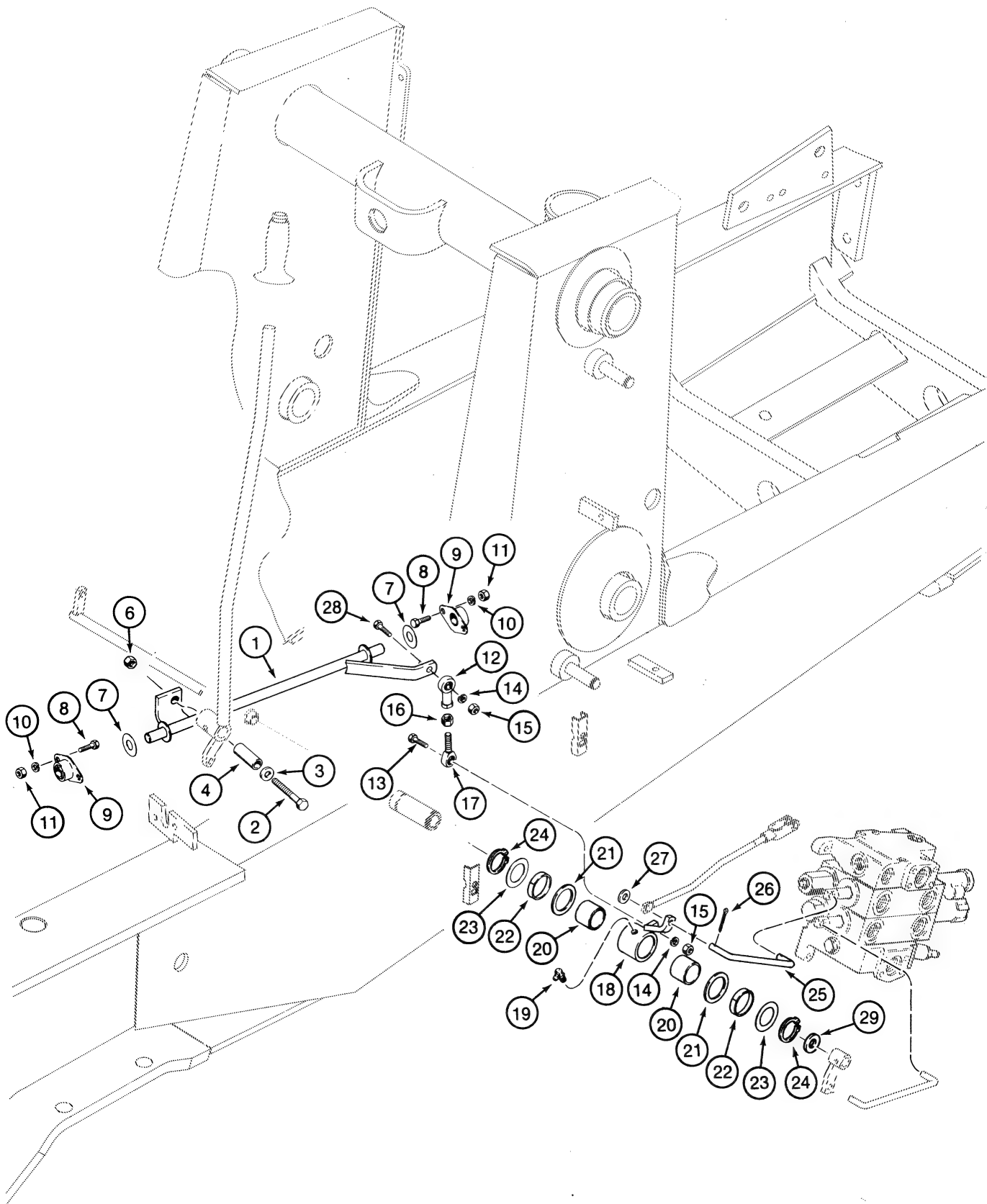


580 Super K Construction King Loader Backhoe

LOADER LIFT CONTROL

9-3

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D137466	BOOT - control lever, models without clam control lever; see page 9-7 for boot used on models with clam control lever.....	1
2	281-1478	SCREW - self-tapping, hex washer head, 1/4 NC x 1/2 inch	4
3	D147443	KNOB - lever, loader control, see page 4-25 for fast cycle switch and cover	1
4	D149132	LEVER - loader lift and bucket control, see page 9-5 for bucket control linkage.....	1
5	219-36	FITTING - grease, 45 degree, 1/8 PT x 7/8 inch.....	1
6	D148005	ROD - lift, loader control.....	1
7	425-116	NUT - hex, 3/8 inch NF.....	2
8	D136773	JOINT - ball, 3/8 inch NF (replaces S108030 ball joint)	2
9	492-11038	WASHER - lock, 3/8 inch.....	2
10	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	2
11	425-106	NUT - hex, 3/8 inch NC	1
12	D149802	SHAFT - lift and bucket control, see page 9-5, items 18 through item 24 for bucket control pivot and related parts.....	1
13	D95096	RING - 5/8 inch, shaft retaining, special, replaces D143591.....	1
14	D149799	BUSHING - pivot, chassis right-hand side.....	2
15	D149066	BELLCRANK - lift control	1
16	138-136	PIN - roll, 1/4 x 1-1/4 inch.....	1
17	D148826	ROD - lift, bellcrank to lift section.....	1
18	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	1
19	432-610	PIN - cotter, 3/32 x 5/8 inch.....	2
20	1346392C1	VALVE ASSEMBLY - loader control, two spool, see parts list page 8-65.....	1
21	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	1-3
22	492-11038	WASHER - lock, 3/8 inch.....	3
23	224-2246	NUT - square, 3/8 inch NC.....	3
24	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	UAR
25	413-622	BOLT - hex, 3/8 NC x 1-3/8 inch	2



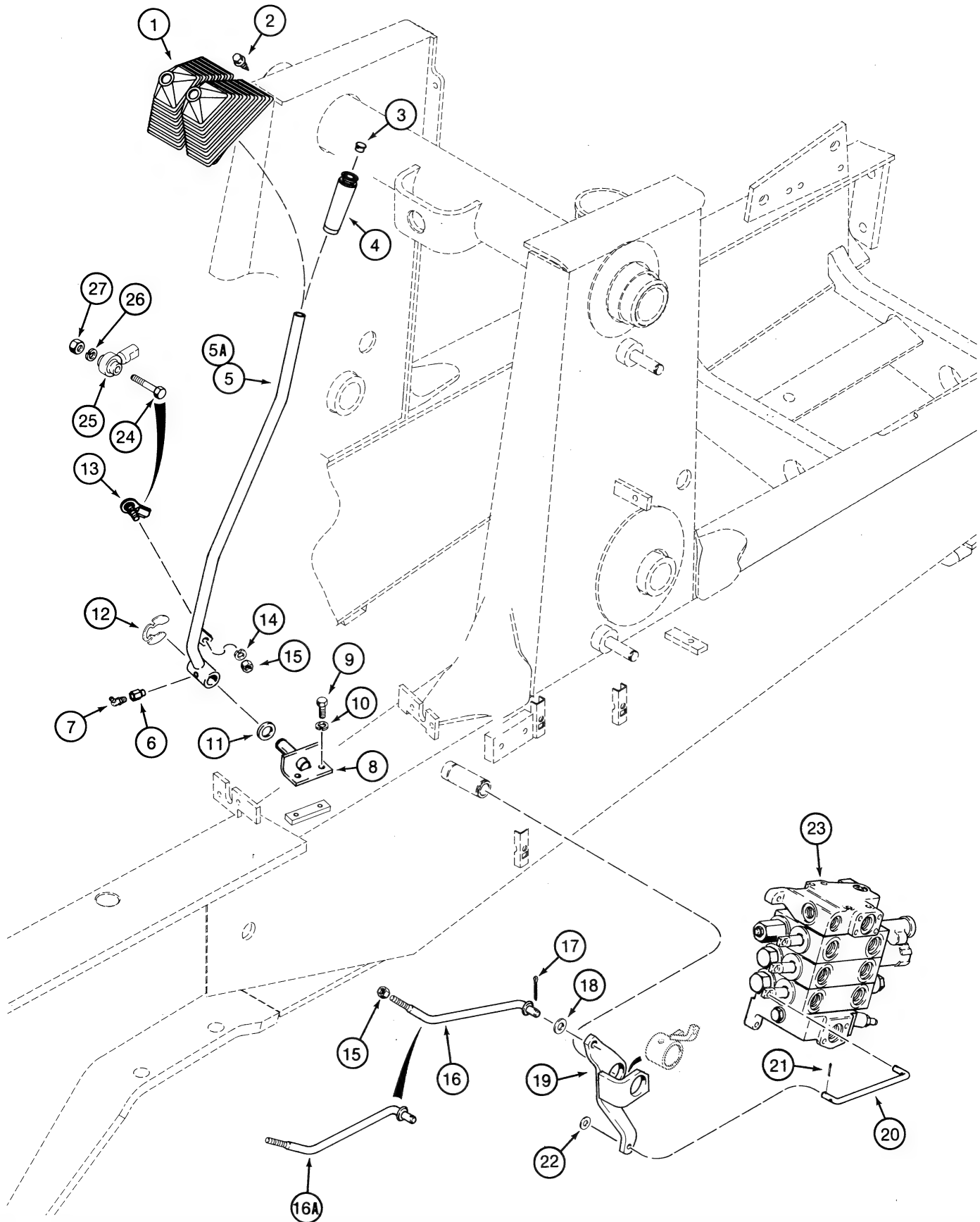
580 Super K Construction King Loader Backhoe

LOADER BUCKET CONTROL

9-5

REF.	PART NO.	DESCRIPTION	REQD.
1	D149220	SHAFT - control, loader bucket, see page 9-3, item 4, for lever.....	1
2	413-848	BOLT - hex, 1/2 NC x 3 inch	1
3	495-11053	WASHER - flat, 17/32 x 1-1/16 x 5/64 inch	1
4	D149292	SLEEVE - rod mounting hardware.....	1
6	131-208	NUT - heavy hex, self-locking, 1/2 inch NC	1
7	495-81182	WASHER - flat, 21/32 x 1-1/4 x 3/64 inch, use as a spacer.....	UAR
7	495-81184	WASHER - flat, 21/32 x 1-1/2 x 1/32 inch, use as a spacer.....	UAR
8	413-616	BOLT - hex, 3/8 NC x 1 inch	4
9	L15401	BEARING - pivot	2
10	492-11038	WASHER - lock, 3/8 inch.....	4
11	425-106	NUT - hex, 3/8 inch NC	4
12	D136773	JOINT - ball, 3/8 inch NF, female (replaces S108030 ball joint)	1
13	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	1
14	492-11038	WASHER - lock, 3/8 inch.....	2
15	425-106	NUT - hex, 3/8 inch NC	2
16	425-116	NUT - hex, 3/8 inch NF.....	1
17	D144606	JOINT - ball, 3/8 inch NF.....	1
18	D149299	LEVER - bucket control, see page 9-3, item 12, for lift and bucket control shaft	1
19	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch.....	1
20	D149025	BUSHING - lever	2
21	495-81293	WASHER - flat, 1-17/32 x 2-1/16 x 1/8 inch.....	2
22	D149361	SPACER - lever, models with two-spool valve	2
23	495-81204	WASHER - flat, 1-9/32 x 2 x 1/32 inch	2
24	103-16125	RING - snap, lever, replaces D26918.....	2
25	D149297	ROD - lift, lever to bucket section, see page 9-9, item 25, for rollback control rod	1
26	432-610	PIN - cotter, 3/32 x 5/8 inch.....	2
27	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	1
28	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
29	495-11066	WASHER - flat, 21/32 x 1-5/16 x 3/32 inch	1

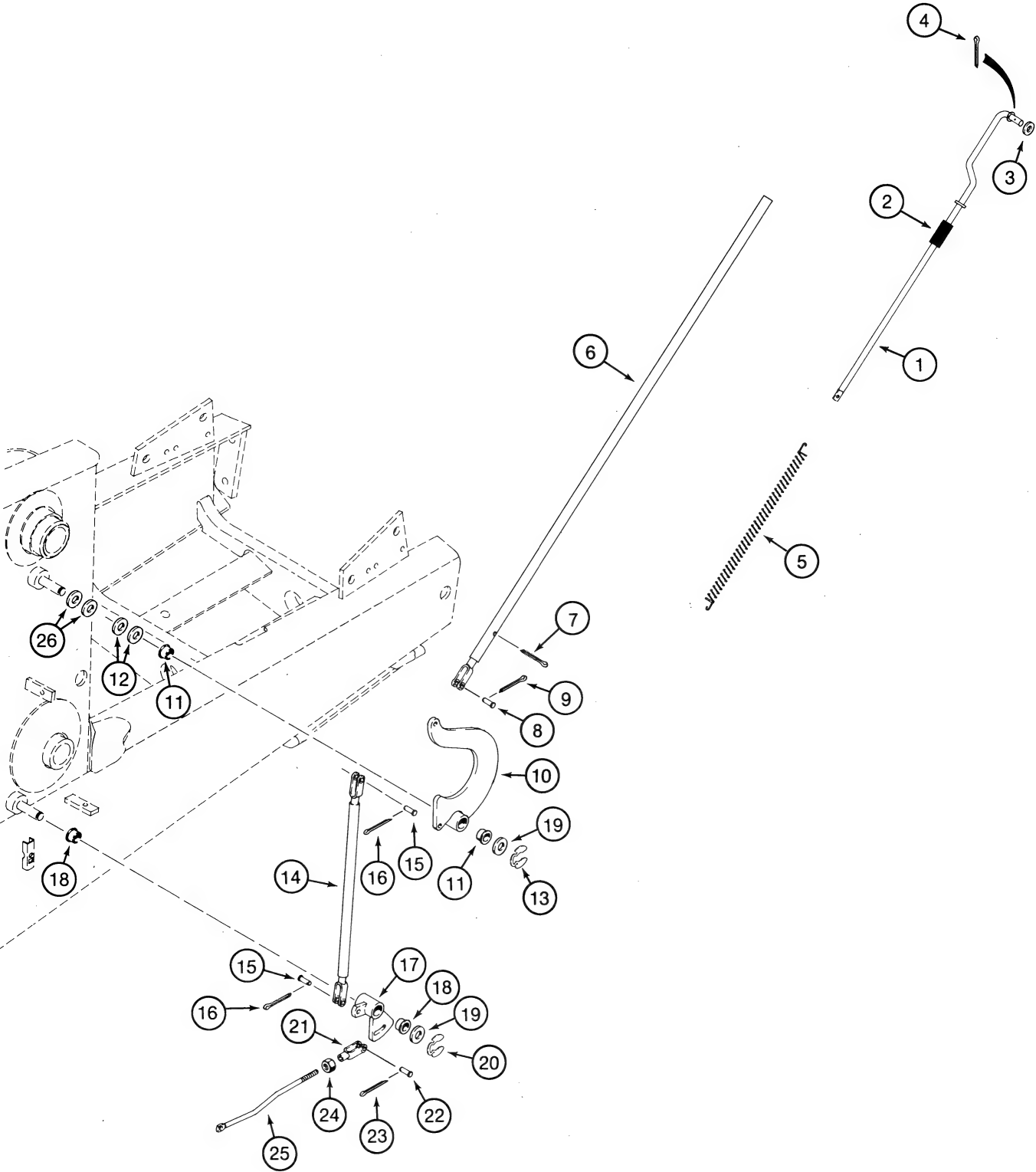
NOTE: See page 9-3 for loader control valve and mounting parts, items 20 through 25.



580 Super K Construction King Loader Backhoe
LOADER CLAM CONTROL

9-7

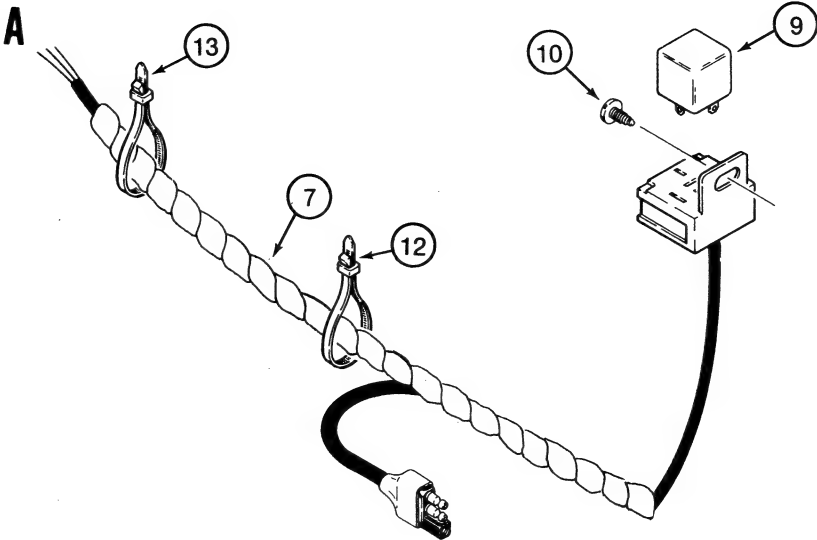
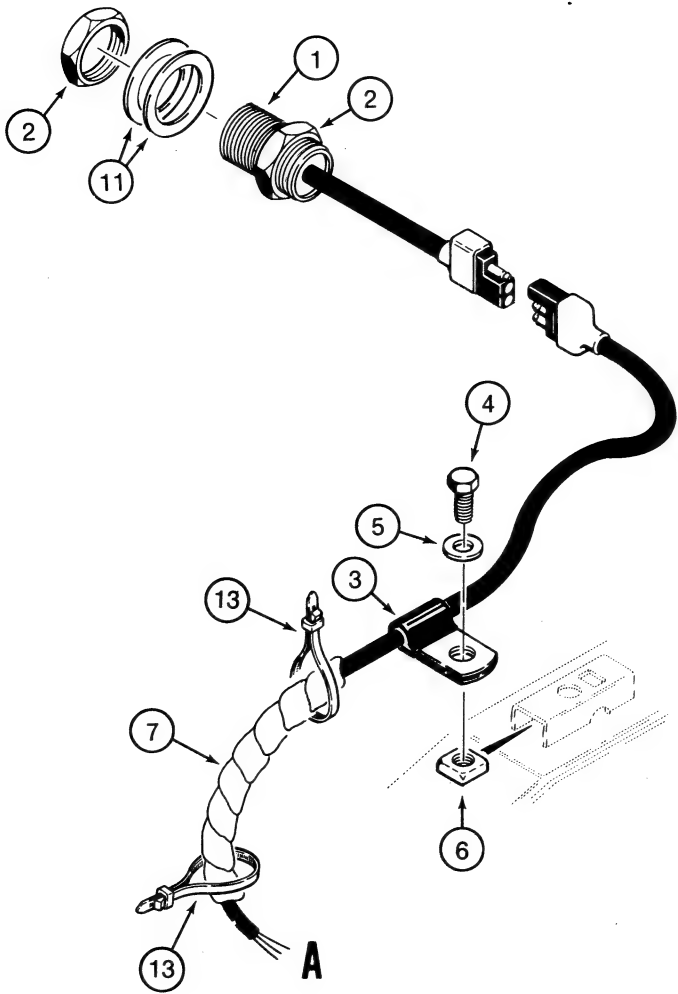
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D137465	BOOT - two lever, used on models with clam control lever, see page 9-3 for boot used on models without clam control lever	1
2	281-1478	SCREW - self-tapping, hex washer head, 1/4 NC x 1/2 inch	4
3	353-406	PLUG - nylon, 5/8 inch.....	1
4	D91439	KNOB - lever, loader clam control	1
5	D149291	LEVER - loader clam control, used with items 13-15, if used	1
5A	D150634	LEVER - loader clam control, used with items 24-27, if used	1
6	D149327	ADAPTER - grease fitting, special	1
7	219-36	FITTING - grease, 45 degree, 1/8 PT x 7/8 inch.....	1
8	D149119	BRACKET - mounting, control lever	1
9	413-510	BOLT - hex, 5/16 NC x 5/8 inch	2
10	492-11031	WASHER - lock, 5/16 inch	2
11	A30881	WASHER - flat, spacer.....	UAR
12	D143416	RING - lever retaining, special.....	1
13	R47940	JOINT - ball, control lever, if used.....	1
14	492-11038	WASHER - lock, 3/8 inch.....	1
15	425-116	NUT - hex, 3/8 inch NF.....	1-2
16	D149372	ROD - loader clam control, with formed washer, 45 degree bend at bellcrank, used with items 13-15, no longer available, order D150636, item 16A.....	1
16A	D150636	ROD - loader clam control, with welded-on washer, 90 degree bend at bellcrank, used with items 24-27, if used	1
17	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
18	495-81020	WASHER - flat, 25/32 x 1-1/4 x 19/64 inch.....	UAR
19	D149183	BELLCRANK - loader clam control.....	1
20	D149038	ROD - lift, bellcrank to clam section.....	1
21	432-612	PIN - cotter, 3/32 x 3/4 inch.....	2
22	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	1
23	1346393C1	VALVE ASSEMBLY - loader control, three spool, see parts list page 8-67, for mounting see page 9-3	1
24	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch, if used	1
25	D136773	JOINT - ball, control lever, if used.....	1
26	492-11038	WASHER - lock, 3/8 inch, if used.....	1
27	425-106	NUT - hex, 3/8 inch NC, if used	1



580 Super K Construction King Loader Backhoe
LOADER ANTIROLLBACK CONTROL

9-9

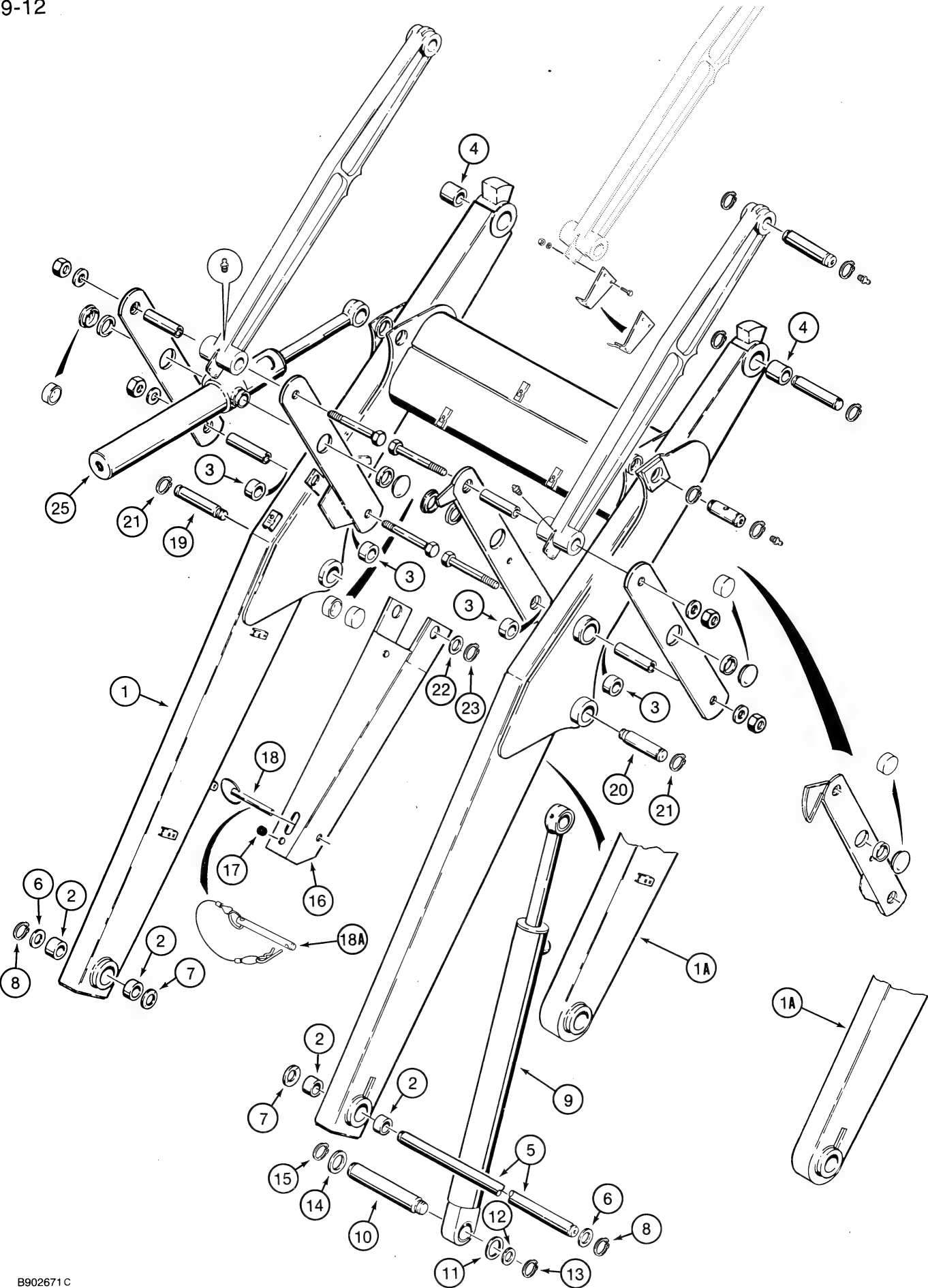
REF.	PART NO.	DESCRIPTION	REQD.
1	D149882	ROD - rollback, attaches to bucket cylinder link.....	1
2	D140612	SPRING - 76 mm long, rollback rod	1
3	495-11053	WASHER - flat, 17/32 x 1-1/16 x 5/64 inch	1
4	432-816	PIN - cotter, 1/8 x 1 inch.....	2
5	D145098	SPRING - 285 mm long.....	1
6	D149881	TUBE - rollback, rod	1
7	432-824	PIN - cotter, 1/8 x 1-1/2 inch	1
8	427-6106	PIN - clevis, 3/8 x 1-1/16 inch, hardened.....	1
9	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
10	D150491	LEVER - rollback, upper, mounts to chassis upright.....	1
11	D124452	BUSHING - lever, upper, at chassis upright	2
12	A30881	WASHER - flat, spacer.....	UAR
13	D143416	RING - retaining, lever.....	1
14	D145151	TUBE - rollback, upper lever to lower lever.....	1
15	427-6106	PIN - clevis, 3/8 x 1-1/16 inch, hardened.....	2
16	432-610	PIN - cotter, 3/32 x 5/8 inch.....	2
17	D149993	LEVER - rollback, lower, mounts to chassis upright.....	1
18	D124452	BUSHING - lever, lower, at chassis upright	2
19	A30881	WASHER - flat, spacer.....	2
20	D143416	RING - retaining, lever.....	1
21	213-126	CLEVIS - adjustable, 3/8 inch NF.....	1
22	427-6106	PIN - clevis, 3/8 x 1-1/16 inch, hardened.....	1
23	432-610	PIN - cotter, 3/32 x 5/8 inch.....	1
24	425-116	NUT - hex, 3/8 inch NF.....	1
25	D149322	ROD - rollback control, see page 9-5, items 25 through 27 for mounting	1
26	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened, used as a shim	UAR



580 Super K Construction King Loader Backhoe
LOADER RETURN-TO-DIG CONTROL

9-11

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D136898	SWITCH - proximity, return-to-dig, includes nuts	1
2	N14113	NUT - hex, return-to-dig switch.....	2
3	49838	CLAMP - harness, closed, 12.7 mm ID, mounts to cage on top of right-hand loader lift frame	1
4	413-510	BOLT - hex, 5/16 NC x 5/8 inch	1
5	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	1
6	224-2245	NUT - square, 5/16 inch NC	1
7	D150027	HARNESS - return-to-dig, attaches to main harness.....	1
8	D147773	STRAP - tie, harness to inside hoses, not shown.....	4
9	D128310	RELAY - 30 amperes, return-to-dig harness	1
10	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch	1
11	495-81237	WASHER - flat, 1-17/64 x 1-7/8 x 3/64 inch.....	2
12	L18337	STRAP - nylon, retaining, harness to chassis upright tube	2
13	D150798	STRAP - nylon, harness to lift arm hydraulic tubes	3

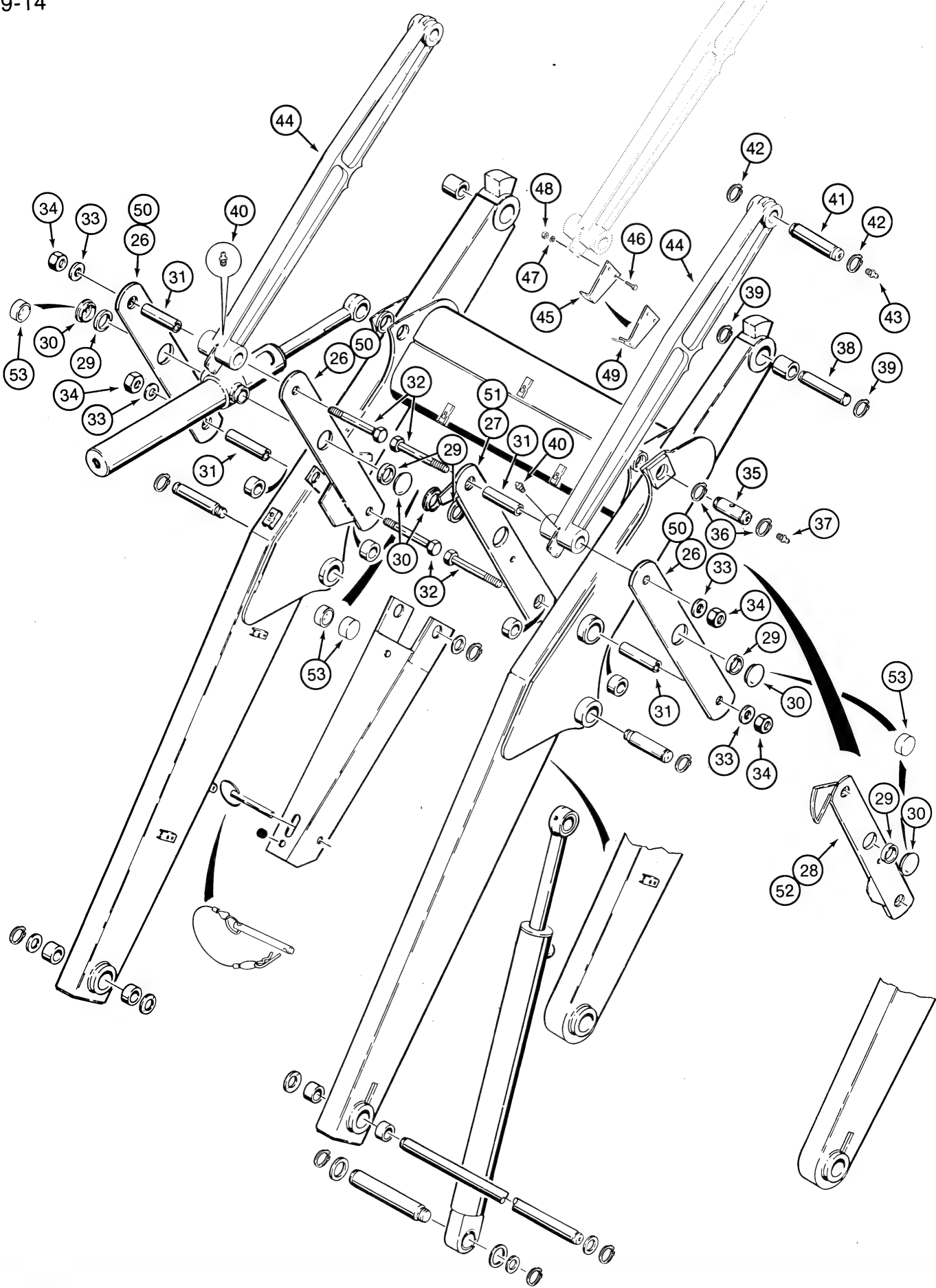


580 Super K Construction King Loader Backhoe LOADER FRAME AND MOUNTING PARTS

9-13

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D147869	FRAME - loader lift, no longer available, order 118623A1 loader lift frame	1
1A	118623A1	FRAME - loader lift.....	1
2	D37392	BUSHING - loader frame pivot	4
3	100696A1	BUSHING - bucket cylinder link pivot (replaces D37763 bushing).....	4
4	D129240	BUSHING - bucket mounting.....	2
5	D136526	SHAFT - loader lift frame pivot	1
6	D143409	WASHER - flat, special, used as a spacer, two per side	4
7	R27181	SPRING - Belleville, special, lift frame pivot shaft	2
8	103-16175	RING - retaining, No. 175, heavy duty, lift frame pivot shaft	2
9	REF	CYLINDER ASSEMBLY - loader lift, right-hand and left-hand, left-hand not shown, for correct assembly and components, see page 8-117 - 8-117D	2
10	D135669	PIN - lift cylinder pivot, closed end.....	2
11	D143431	WASHER - special, outer side only	2
12	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch, outer.....	2
13	103-16175	RING - retaining, No. 175, heavy duty, lift cylinder closed end, outer	2
14	495-81282	WASHER - flat, 2-1/16 x 3 x 1/8 inch	2
15	800-44050	RING - snap, pin retaining, lift cylinder closed end, inner	2
16	D138247	STRUT - support, loader frame, left-hand lift arm only	1
17	D121047	GROMMET - support strut	1
18	D120675	PIN - lock, cotterless hitch, no longer available, order item 18A, 104824A1, lock pin	1
18A	104824A1	PIN - lock, includes lanyard and hair pin, loader support	1
19	D135603	PIN - left-hand lift cylinder rod end.....	1
20	D135604	PIN - right-hand lift cylinder rod end	1
21	800-44040	RING - snap, pin retaining, lift cylinder rod end, outer	2
22	495-81294	WASHER - flat, 1-7/16 inch ID x 2 inch OD x 1/16 inch thick, inner	2
23	800-44035	RING - snap, pin retaining, lift cylinder rod end, inner	2
24	REF	CYLINDER ASSEMBLY - loader bucket, right-hand, not shown, for correct assembly and components, see page 8-119 or 8-119B	1
25	REF	CYLINDER ASSEMBLY - loader bucket, left-hand, parts list for correct assembly and components, see page 8-119 or 8-119B	1

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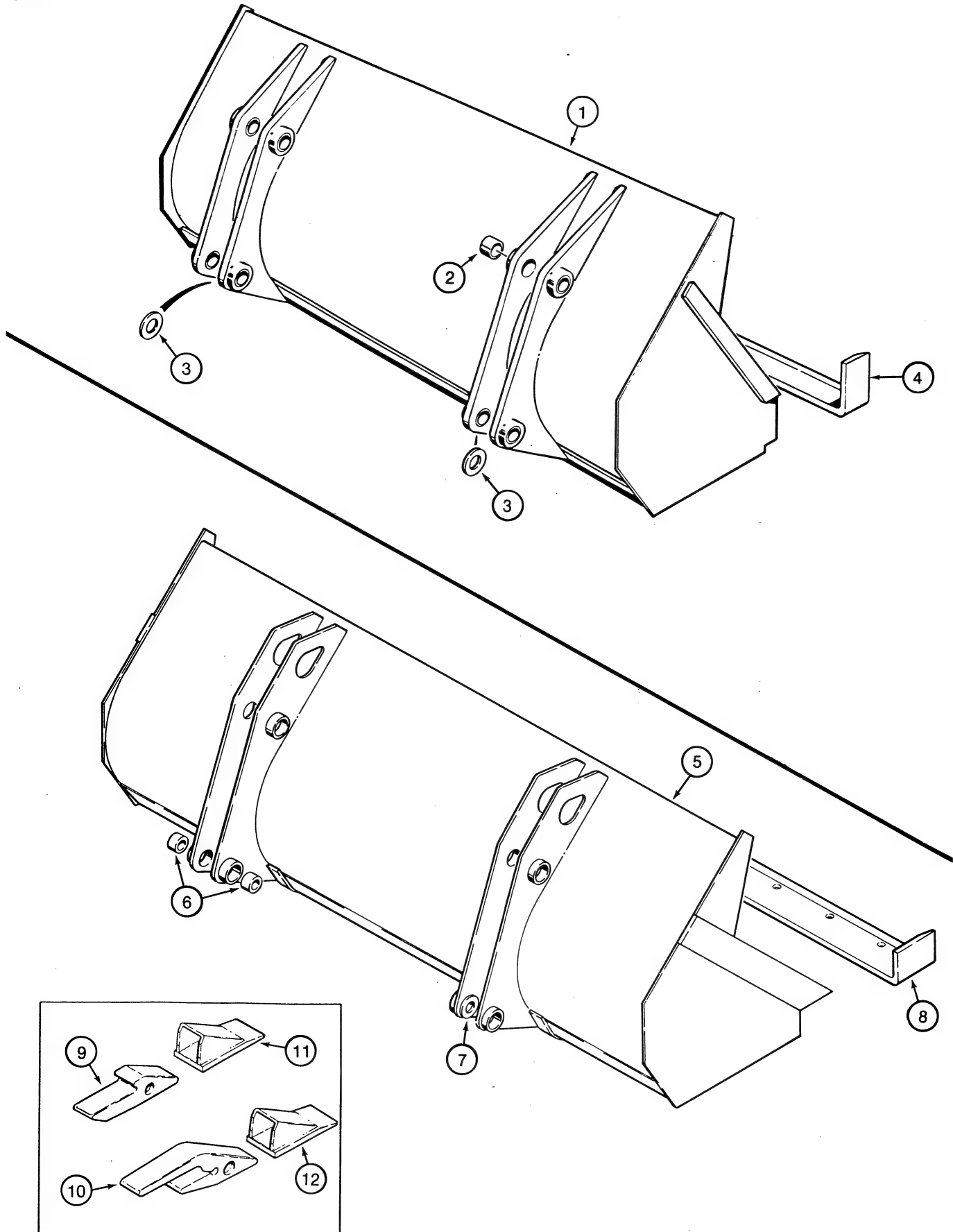


580 Super K Construction King Loader Backhoe LOADER FRAME AND MOUNTING PARTS

9-15

REF.	PART NO.	DESCRIPTION	REQ'D.
26	*D139125	LINK - bucket cylinder, outer right-hand and inner and outer left-hand, no longer available, replaced by item 50, D151148 link, see note below	3
27	*D150951	LINK - bucket cylinder, inner right-hand, with extra hole for antirollback rod, models without clam bucket, (replaces D148384 link), see item 28 for models with clam bucket, no longer available, replaced by item 51, D151149 link, see note below	1
28	*D150937	LINK - bucket cylinder, inner right-hand, with extra hole for antirollback rod, models with clam bucket, (replaces D149171 link), see item 27 for models without clam bucket, no longer available, replaced by item 52, D151147 link, see note below	1
29	D129272	BUSHING - one per each link, items 26-28, no longer available, order D151034 bushing, item 53.....	1
30	NSS	CAP - one per each link, items 26-28	1
31	D132076	BUSHING - cylinder links, spacer.....	4
32	426-12120	BOLT - hex, 3/4 NC x 7-1/2 inch, grade 8	4
33	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened.....	4
34	429-1012	NUT - hex, 3/4 inch NC	4
35	D129279	PIN - bucket cylinder rod end.....	2
36	800-44040	RING - snap, pin retaining, bucket cylinder rod end	4
37	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
38	D129256	PIN - loader lift frame to lower bucket mounting hole	2
39	800-44040	RING - snap, pin retaining, lift frame to lower bucket mounting hole	4
40	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
41	D129257	PIN - link to upper bucket mounting hole	2
42	800-44040	RING - snap, pin retaining, link to bucket.....	4
43	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
44	D139595	LINK - bucket, without bushings, left-hand or right-hand, with or without clam bucket.....	2
45	D121194	POINTER - bucket position, models without clam bucket.....	1
46	413-520	BOLT - hex, 5/16 NC x 1-1/4 inch	2
47	492-11031	WASHER - lock, 5/16 inch	2
48	425-105	NUT - hex, 5/16 inch NC	2
49	D123157	POINTER - bucket position, models with clam bucket.....	1
50	*D151148	LINK - bucket cylinder, outer right-hand and inner and outer left-hand, see note below.....	3
51	*D151149	LINK - bucket cylinder, inner right-hand, with extra hole for antirollback rod, models without clam bucket, see item 52 for models with clam bucket, see note below.....	1
52	*D151147	LINK - bucket cylinder, inner right-hand, with extra hole for antirollback rod, models with clam bucket, see item 51 for models without clam bucket, see note below.....	1
53	D151034	BUSHING - closed, one per each link, items 50-52	1

NOTE: Items 26, 27, and 28 links must not be mixed with items 50, 51, and 52 links. Replace item 26, 27, or 28 link with a set. Order (3) D151148, item 50, and (1) D151149, item 51, or (1) D151147, item 52, links.



**580 Super K Construction King Loader Backhoe
LOADER BUCKET**

9-17

REF.	PART NO.	DESCRIPTION	REQD.
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SHORT LIP BUCKET

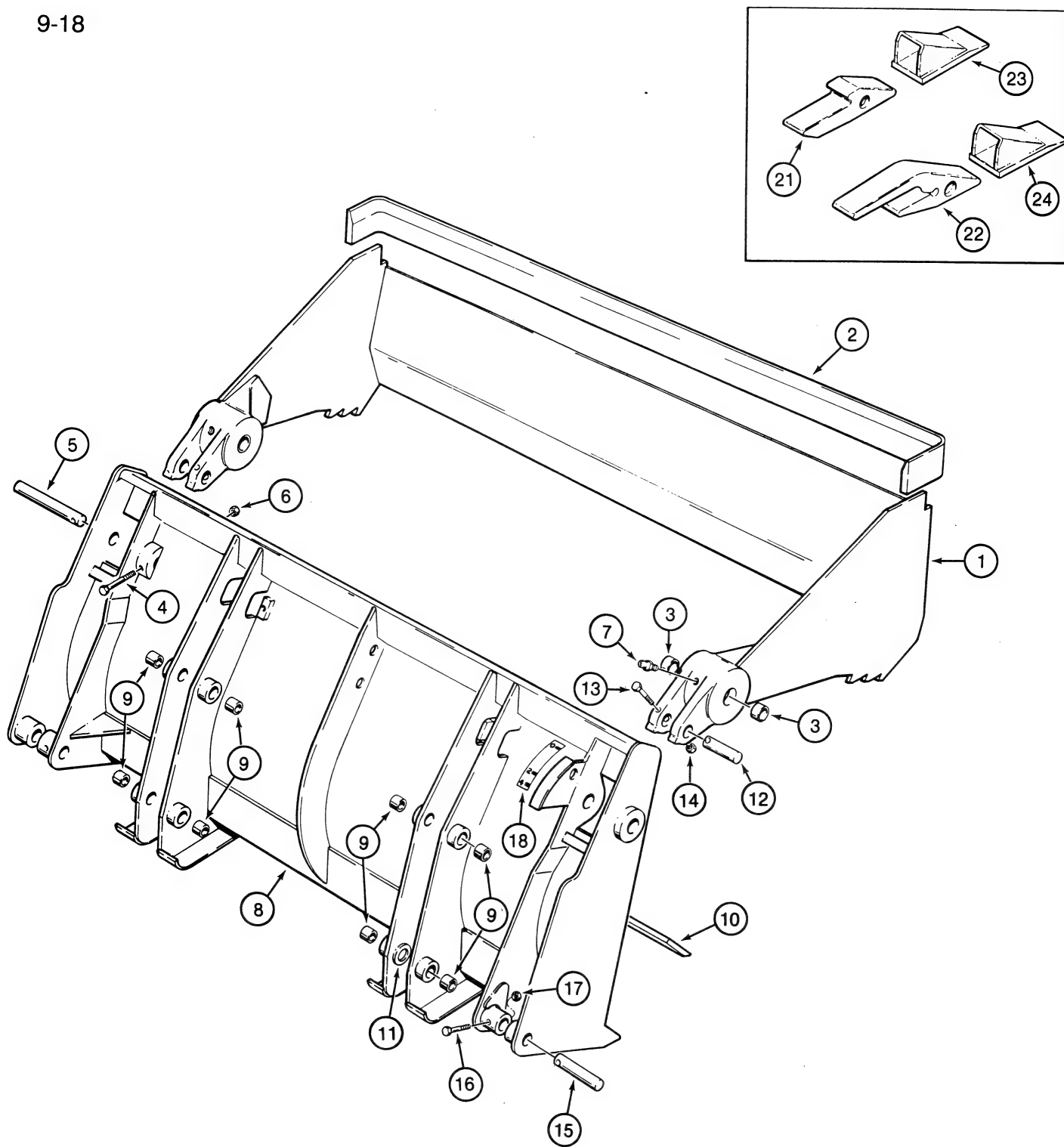
	D134142	BUCKET ASSEMBLY - loader, 90 inch (2286 mm) wide, without teeth, machinery item, order from Machinery Price List.....	1
1	NSS	BUCKET - loader.....	1
2	D129264	BUSHING - bucket ear.....	8
3	D135602	WASHER - hardened, special, used as a spacer, welded to inner ear at lower pin hole only.....	2
4	D65287	EDGE - cutting, front, 90 inch (2285 mm) bucket.....	1
4A	D147323	EDGE - cutting, front, 90 inch (2285 mm) bucket, bolt-on type, not shown.....	1
4B	420-21240	BOLT - plow, 3/4 NC x 2-1/2 inch, grade 8, used with D147323 cutting, edge, not shown.....	15
4C	429-1012	NUT - hex, 3/4 inch NC, grade 8, used with D147323 cutting edge, not shown.....	15

LONG LIP BUCKET

	D146364	BUCKET ASSEMBLY - loader, 82 inch (2083 mm) wide, without teeth, machinery item, order from Machinery Price List.....	1
5	NSS	BUCKET - loader.....	1
6	D129264	BUSHING - bucket ear.....	8
7	D135602	WASHER - hardened, special, welded to lower inner bucket ear.....	2
8	D145680	EDGE - cutting, front, 82 inch (2083 mm) bucket, weld-on type.....	1
8A	D145681	EDGE - cutting, front, 82 inch (2083 mm) bucket, bolt-on type, not shown.....	1
8B	20-21236	BOLT - plow, 3/4 NC x 2-1/4 inch, grade 8, used with D145681 cutting edge, not shown.....	10
8C	429-1012	NUT - hex, 3/4 inch NC, grade 8, used with D145681 cutting edge, not shown.....	10

BUCKET TEETH

9	D26368	SHANK - tooth, original equipment.....	10-11
10	D58499	SHANK - tooth, heavy duty service option.....	10-11
11	D27748	POINT - tooth, original equipment.....	10-11
12	D36720	POINT - tooth, heavy duty service option.....	10-11

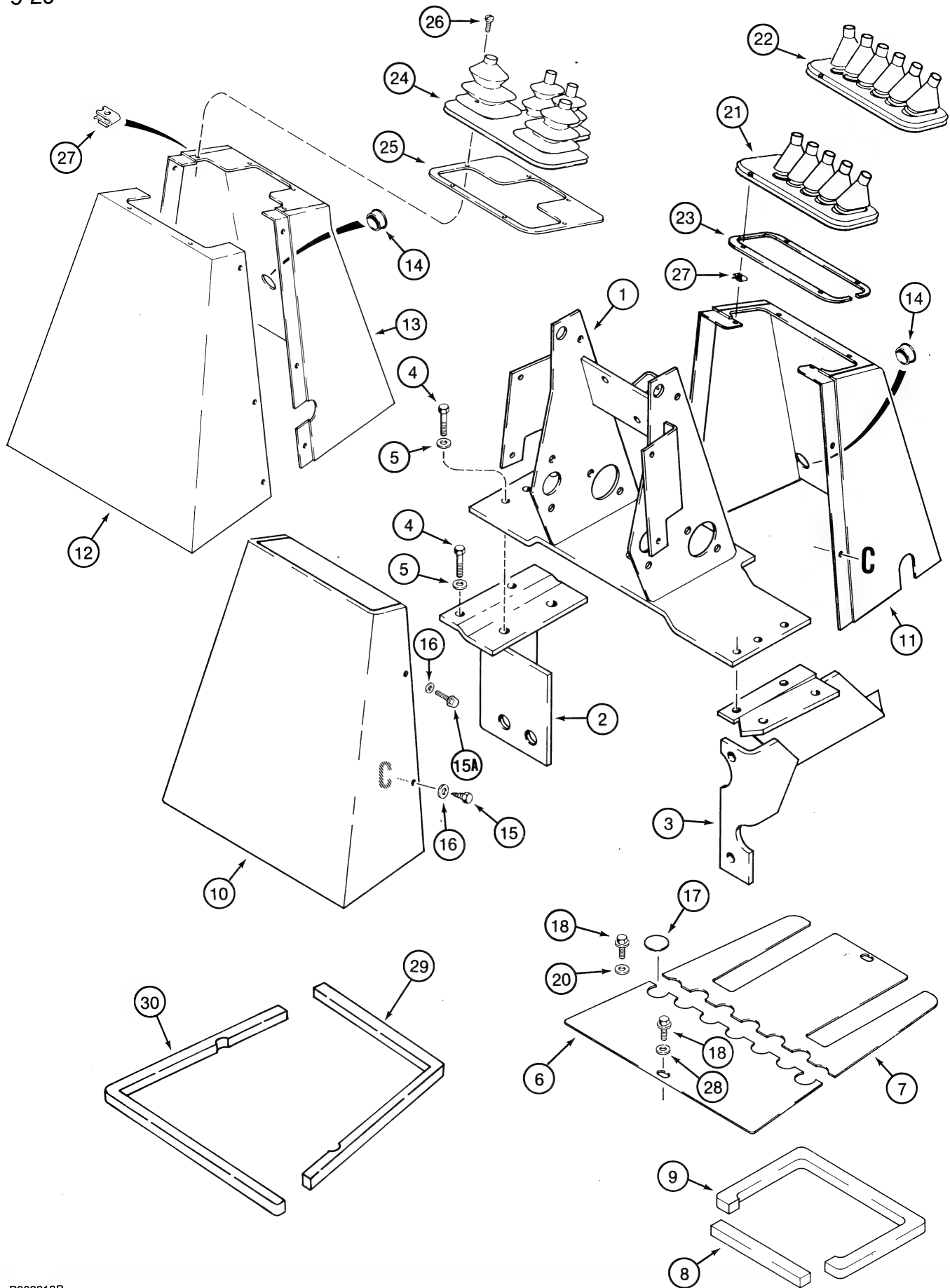


CLAM BUCKET

REF.	PART NO.	DESCRIPTION	REQ'D.
	D102070	BUCKET ASSEMBLY - clam, 82 inch (2083 mm) wide, machinery item, order from Machinery Price List.....	1
	D133816	CLAM ASSEMBLY - bucket.....	1
1	NSS	CLAM - bucket.....	1
2	D76258	EDGE - cutting, bucket.....	1
3	D31140	BUSHING - clam pivot.....	4
4	413-664	BOLT - hex, 3/8 NC x 4 inch.....	2
5	D51391	PIN - pivot, clam to blade.....	2
6	231-4116	NUT - hex, self-locking, 3/8 inch NC.....	2
7	219-1	FITTING - grease, straight, 1/8 inch NPT.....	2
	D133817	BLADE ASSEMBLY - clam bucket.....	1
8	NSS	BLADE - bucket.....	1
9	D129264	BUSHING - bucket ear.....	8
10	D75636	EDGE - cutting, blade.....	1
11	D135602	WASHER - flat, 1-5/8 ID x 2-3/8 inch OD, hardened, special, welded to lower inner bucket ears.....	2
12	D51392	PIN - cylinder mounting, upper.....	2
13	413-656	BOLT - hex, 3/8 NC x 3-1/2 inch.....	2
14	231-4116	NUT - hex, self-locking, 3/8 inch NC.....	2
15	D51393	PIN - cylinder mounting, lower.....	2
16	413-644	BOLT - hex, 3/8 NC x 2-3/4 inch.....	2
17	231-4116	NUT - hex, self-locking, 3/8 inch NC.....	2
18	321-1708	DECAL - 0 - 2 - 4, clam bucket opening indicator.....	1
19	321-1707	DECAL - clam bucket position.....	1
20	D123157	POINTER - bucket position, bolts to clam bucket link, see page 9-15 for link and mounting hardware.....	1

OPTIONAL BUCKET TEETH

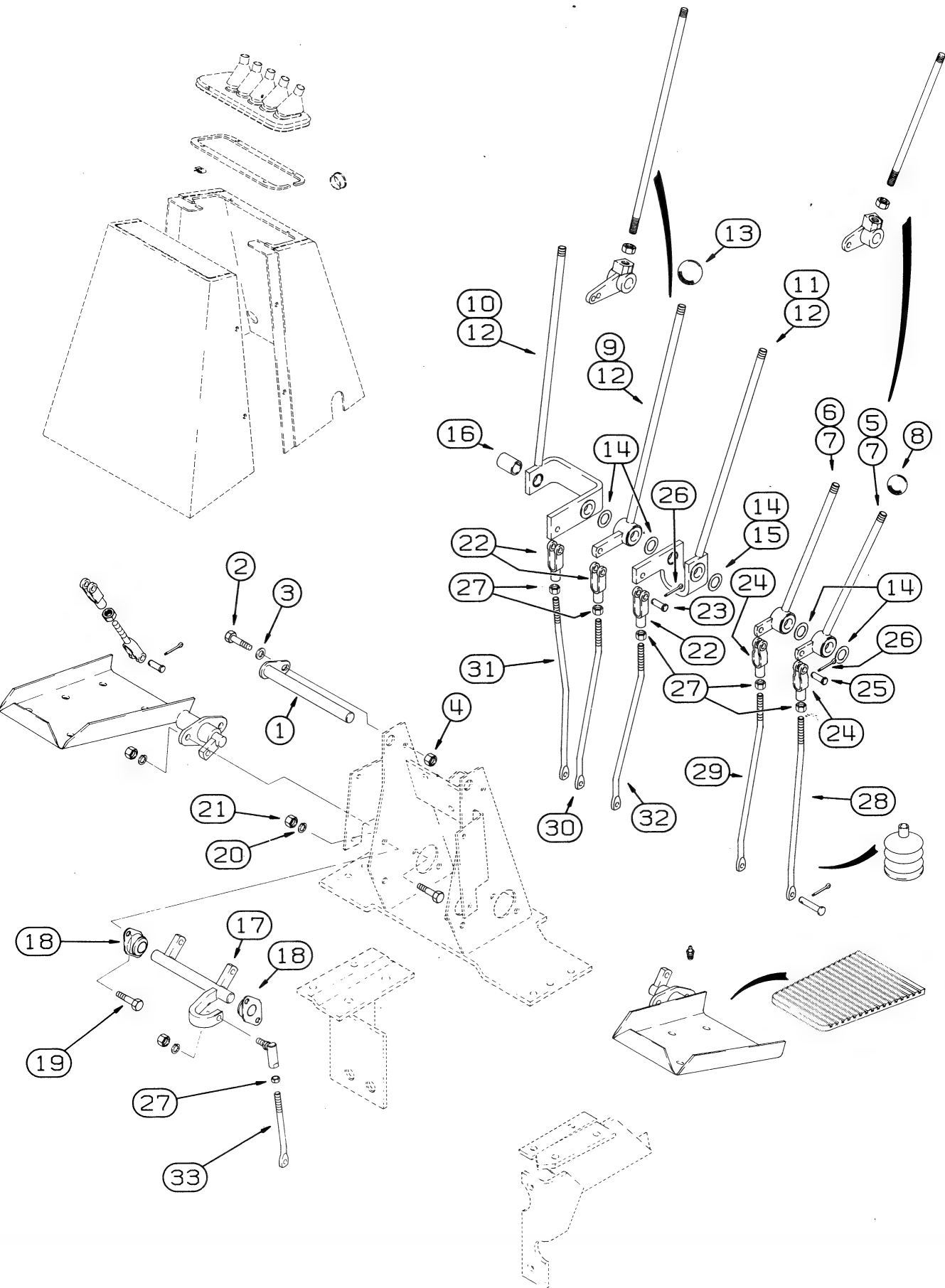
21	D26368	SHANK - tooth, original equipment.....	10
22	D58499	SHANK - tooth, heavy duty service option.....	10
23	D27748	POINT - tooth, original equipment.....	10
24	D36720	POINT - tooth, heavy duty service option.....	10



580 Super K Construction King Loader Backhoe
BACKHOE CONTROL TOWER

9-21

REF.	PART NO.	DESCRIPTION	REQD.
1	108937A1	SUPPORT - backhoe control mounting (replaces D149035).....	1
2	109689A1	BRACKET - valve mounting, left-hand (replaces D140816)	1
3	D140820	BRACKET - valve mounting, right-hand	1
4	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	8
5	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	8
6	D140101	PLATE - floor, backhoe control tower, if used	1
7	D140100	PLATE - floor, backhoe control tower, if used	1
8	D137902	SEAL - 7 inch (178 mm) long, gasket, if used.....	1
9	D133491	SEAL - gasket, backhoe control floor plate, if used	1
10	D134085	COVER - console, rear, used on all models with foot swing.....	1
11	D149668	COVER - console, front, used on all models with foot swing.....	1
12	D149669	COVER - console, rear, used on all models with hand swing.....	1
13	D149670	COVER - console, front, used on all models with hand swing.....	1
14	353-411	PLUG - nylon, 1 inch, 1 used with D149670 console - 2 used with D149668 console cover	1-2
15	281-1878	SCREW - self-tapping, hex washer head, 1/4 NC x 1/2 inch, lower.....	2
15A	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch, upper.....	3
16	195-140	WASHER - flat, 9/32 x 5/8 x 1/16 inch	5
17	D140267	PLUG - button, 1-3/16 inch (30 mm) diameter, tan, if used.....	1
18	D141589	BOLT - hex washer head, self-tapping, 5/16 NC x 3/4 inch, if used.....	4
20	495-81001	WASHER - flat, 3/8 x 1-1/8 x 1/64 inch, if used	2
21	D149866	BOOT - used with D149668 console cover with 5 control levers.....	1
22	D149867	BOOT - used with D149668 console cover with 6 control levers.....	1
23	D149509	RETAINER - boot, used with items 21 and 22.....	1
24	D149868	BOOT - used with D149670 console cover with 4 control levers.....	1
25	D149512	RETAINER - boot, used with item 24 only	1
26	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch, (4) used with D149509 retainer, (6) used with D149512 retainer.....	4-6
27	131-623	NUT - U-type, No. 10 NC, (4) used with D149509 retainer, (6) used with D149512 retainer	4-6
28	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch, if used	2
29	104540A1	SEAL - foam, self-adhesive back, control mounting support, used in place of items 6-9 on some models, if used	1
30	104541A1	SEAL - foam, self-adhesive back, control mounting support, used in place of items 6-9 on some models, if used	1



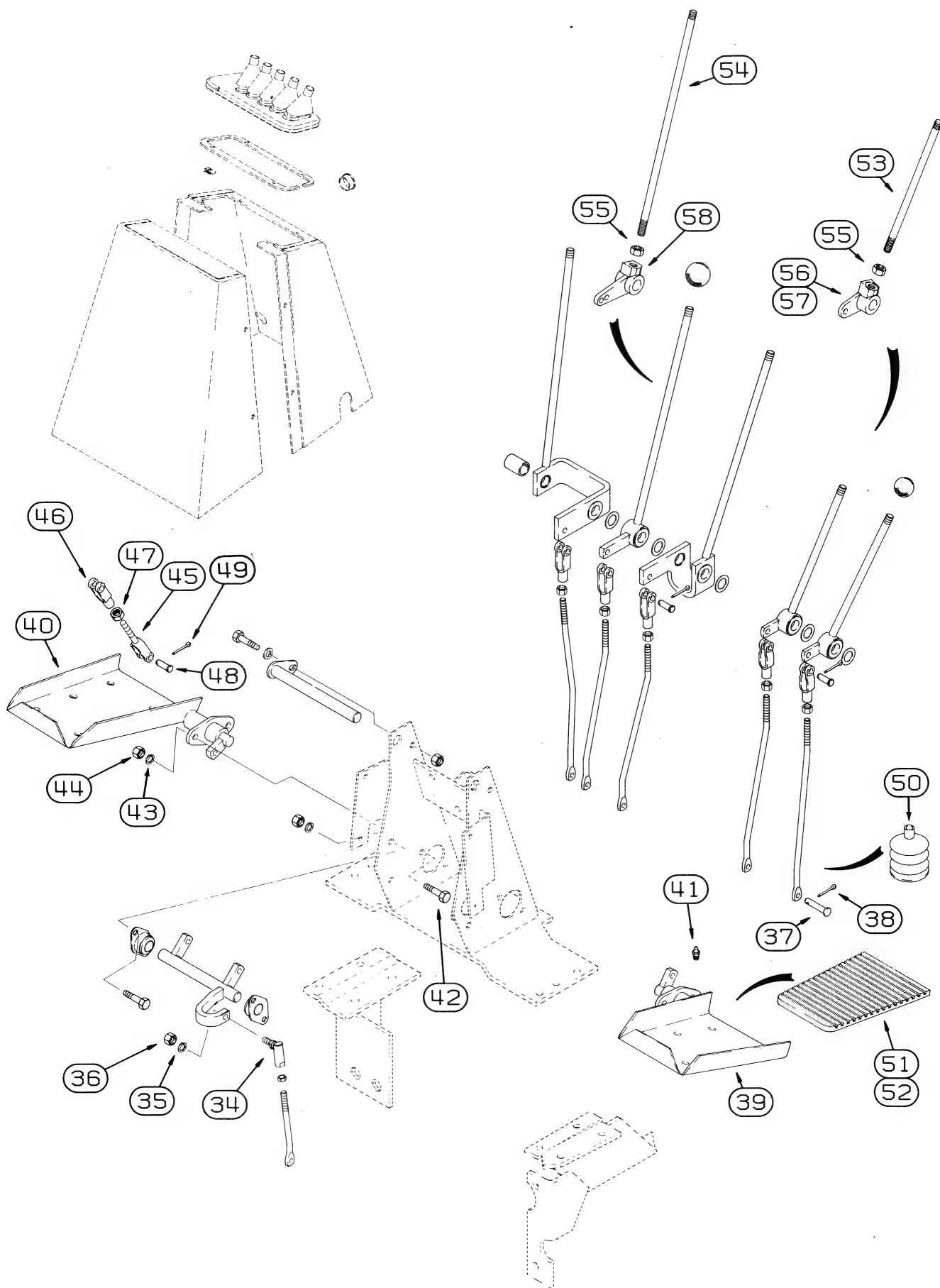
580 Super K Construction King Loader Backhoe
BACKHOE CONTROLS WITH FOOT SWING
WITH NON-EXTENDABLE DIPPER

9-23

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D147932	SHAFT - pivot, control levers	1
2	413-516	BOLT - hex, 5/16 NC x 1 inch	1
3	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	1
4	131-69	NUT - light hex, self-locking, 5/16 inch NC	1
5	D149082	LEVER - left-hand stabilizer control, if used, may be replaced with D150434 bellcrank, 101526A1 lever and 425-118 nut, items 53, 55 and 56 on page 9-25	1
6	D149083	LEVER - right-hand stabilizer control, if used, may be replaced with D150435 bellcrank, 101526A1 lever and 425-118 nut, items 53, 55 and 57 page 9-25	1
7	D148992	BUSHING - lever, used with D149082 and D149083 levers	2
8	D59912	KNOB - stabilizer control levers	2
9	D149085	LEVER - dipper control, no longer available, order D150397 bellcrank, 121613A1 lever and 425-118 nut, items 54, 55 and 58 on page 9-25	1
10	D149086	LEVER - boom control	1
11	D149084	LEVER - bucket control	1
12	D148992	BUSHING - lever, used with D149085, D149086 and D149084 control levers	3
13	L54563	KNOB - boom, dipper and bucket control levers	3
14	A30881	WASHER - flat, used as a shim between control levers	UAR
15	D34666	WASHER - flat, special, hardened	1
16	D150486	SPACER - control lever, not used on models with extendable dipper or optional rear hydraulic attachments control lever (replaces D128615 spacer)	1
17	D148994	SHAFT - swing control	1
18	D148993	BEARING - self-aligning, shaft	2
19	413-512	BOLT - hex, 5/16 NC x 3/4 inch	4
20	492-11031	WASHER - lock, 5/16 inch	4
21	425-105	NUT - hex, 5/16 inch NC	4
22	213-126	CLEVIS - adjustable, 3/8 inch NF	3
23	D149288	PIN - clevis, special	3
24	D150493	CLEVIS - stabilizer control rod, special (replaces D134900 clevis)	2
25	427-6088	PIN - clevis, 3/8 x 7/8 inch, hardened	2
26	432-612	PIN - cotter, 3/32 x 3/4 inch	5
27	425-156	NUT - hex, jam, 3/8 inch NF	6
28	D149005	ROD - left-hand stabilizer control	1
29	D149006	ROD - right-hand stabilizer control	1
30	D149007	ROD - dipper control	1
31	D149004	ROD - boom control	1
32	D149008	ROD - bucket control	1
33	D148981	ROD - swing control	1

NOTE: For additional controls used on models with extendable dipper or auxiliary hydraulics for optional rear hydraulic attachments, see page 9-27.

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580 Super K Construction King Loader Backhoe
BACKHOE CONTROLS WITH FOOT SWING
WITH NON-EXTENDABLE DIPPER

9-25

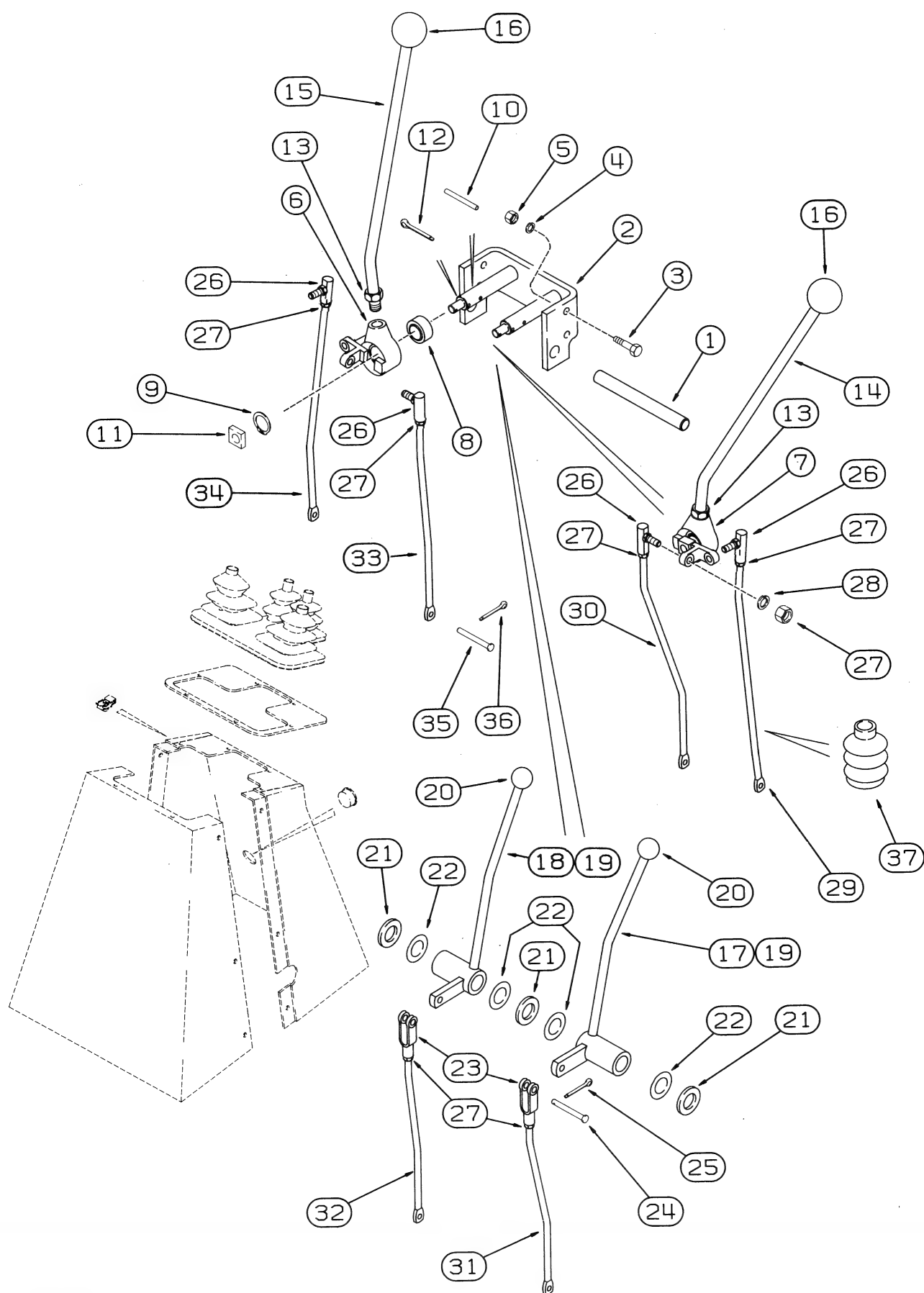
REF.	PART NO.	DESCRIPTION	REQD.
34	D149295	JOINT - ball, swing control rod to shaft	1
35	492-11038	WASHER - lock, 3/8 inch.....	1
36	425-116	NUT - hex, 3/8 inch NF.....	1
37	D149287	PIN - clevis, special, rods to valve	6
38	432-612	PIN - cotter, 3/32 x 3/4 inch.....	6
39	D148997	PEDAL - left-hand swing.....	1
40	D149002	PEDAL - right-hand swing	1
41	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
42	413-616	BOLT - hex, 3/8 NC x 1 inch	4
43	492-11038	WASHER - lock, 3/8 inch.....	4
44	425-106	NUT - hex, 3/8 inch NC	4
45	D150503	ROD - with clevis, swing pedal to cross shaft (replaces R20187 rod)	2
46	D149262	CLEVIS - special, swing pedal rod.....	2
47	425-156	NUT - hex, jam, 3/8 inch NF.....	2
48	D149288	PIN - clevis, special, swing pedal rod.....	4
49	432-612	PIN - cotter, 3/32 x 3/4 inch.....	4
50	D85869	BOOT - control rods, if used	6
51	D137492	PAD - rubber, left-hand swing pedal, optional deluxe interior	1
52	D137491	PAD - rubber, right-hand swing pedal, optional deluxe interior.....	1
53	101526A1	LEVER - stabilizer control, if used	2
54	121613A1	LEVER - dipper control (replaces 101525A1)	1
55	425-118	NUT - hex, 1/2 inch NF, if used.....	3
56	D150434	ROD - left-hand stabilizer control, if used	1
57	D150435	ROD - right-hand stabilizer control, if used.....	1
58	D150397	ROD - dipper control, if used	1

NOTE: For additional controls used on models with extendable dipper or auxiliary hydraulics for optional rear hydraulic attachments, see page 9-27.

580 Super K Construction King Loader Backhoe
BACKHOE CONTROLS WITH FOOT SWING
PARTS USED WITH EXTENDABLE DIPPER OR
OPTIONAL REAR HYDRAULIC ATTACHMENTS

9-27

REF.	PART NO.	DESCRIPTION	REQD.
1	D149067	LEVER - extendahoe control, no longer available, order 121613A1 lever, D150436 bellcrank and 425-118 nut, items 12, 13 and 15.....	1
2	D148992	BUSHING - control lever, if used.....	2
3	L54563	KNOB - extendahoe control lever.....	1
4	A30881	WASHER - flat, spacer.....	UAR
5	D149295	JOINT - ball, control rod, if used.....	1
6	492-11038	WASHER - lock, 3/8 inch.....	1
7	425-156	NUT - hex, jam, 3/8 inch NF.....	2
8	D149009	ROD - extendahoe control lever to valve.....	1
9	D149287	PIN - clevis, special, rod to valve.....	1
10	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
11	D85869	BOOT - control rod, if used.....	1
12	121613A1	LEVER - extendahoe control, if used (replaces 101525A1).....	1
13	D150436	BELLCRANK - extendahoe control lever, if used.....	1
14	D64925	JOINT - ball, used with item 12 or 13 only, if used.....	1
15	425-118	NUT - hex, 1/2 inch NF, if used.....	1

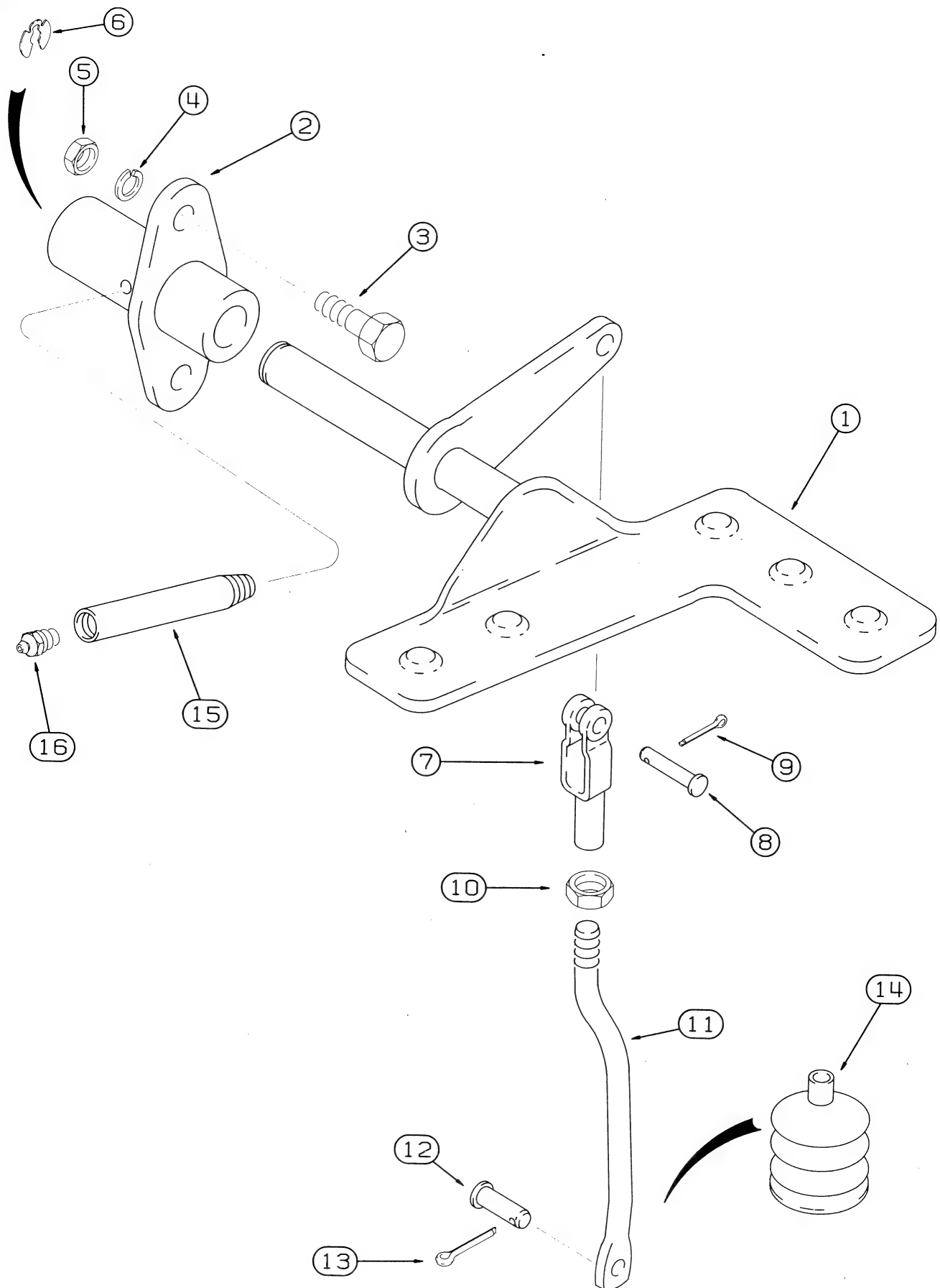


580 Super K Construction King Loader Backhoe
BACKHOE CONTROLS WITH HAND SWING
WITH NON-EXTENDABLE DIPPER

9-29

REF.	PART NO.	DESCRIPTION	REQD.
1	D148947	SHAFT - pivot, stabilizer control levers.....	1
2	D148946	BRACKET - mounting, control lever	1
3	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	4
4	492-11038	WASHER - lock, 3/8 inch.....	4
5	425-106	NUT - hex, 3/8 inch NC	4
6	L109118	LEVER - pivot, right-hand, bucket and dipper	1
7	L105056	LEVER - pivot, left-hand, boom and swing	1
8	D38297	BUSHING - self-aligning	2
9	D38298	RING - snap, self-aligning bushing	2
10	138-303	PIN - roll, 3/16 x 1-1/8 inch.....	4
11	D38305	BLOCK - wear	2
12	432-610	PIN - cotter, 3/32 x 5/8 inch.....	2
13	425-1110	NUT - hex, 5/8 inch NF.....	2
14	D149891	LEVER - left-hand, boom and swing control.....	1
15	D149891	LEVER - right-hand, bucket and dipper control	1
16	D39118	KNOB - control levers	2
17	D149013	LEVER - left-hand stabilizer control	1
18	D149012	LEVER - right-hand stabilizer control.....	1
19	D148992	BUSHING - control lever, used with D149012 and D149013 levers	2
20	D59912	KNOB - stabilizer control levers.....	2
21	495-11081	WASHER - flat, 13/16 x 1-15/32 x 1/8 inch	3
22	A30881	WASHER - flat, spacer.....	UAR
23	213-126	CLEVIS - adjustable, 3/8 inch NF.....	2
24	D149288	PIN - clevis, special	2
25	432-612	PIN - cotter, 3/32 x 3/4 inch.....	2
26	D149295	JOINT - ball, control rod	4
27	425-116	NUT - hex, 3/8 inch NF.....	10
28	492-11038	WASHER - lock, 3/8 inch.....	4
29	D148954	ROD - swing control	1
30	D148955	ROD - boom control	1
31	D148959	ROD - left-hand stabilizer control	1
32	D148958	ROD - right-hand stabilizer control	1
33	D148956	ROD - dipper control	1
34	D148957	ROD - bucket control	1
35	D149287	PIN - clevis, special, rods to valve	6
36	432-612	PIN - cotter, 3/32 x 3/4 inch.....	6
37	D85869	BOOT - control rods, if used	6

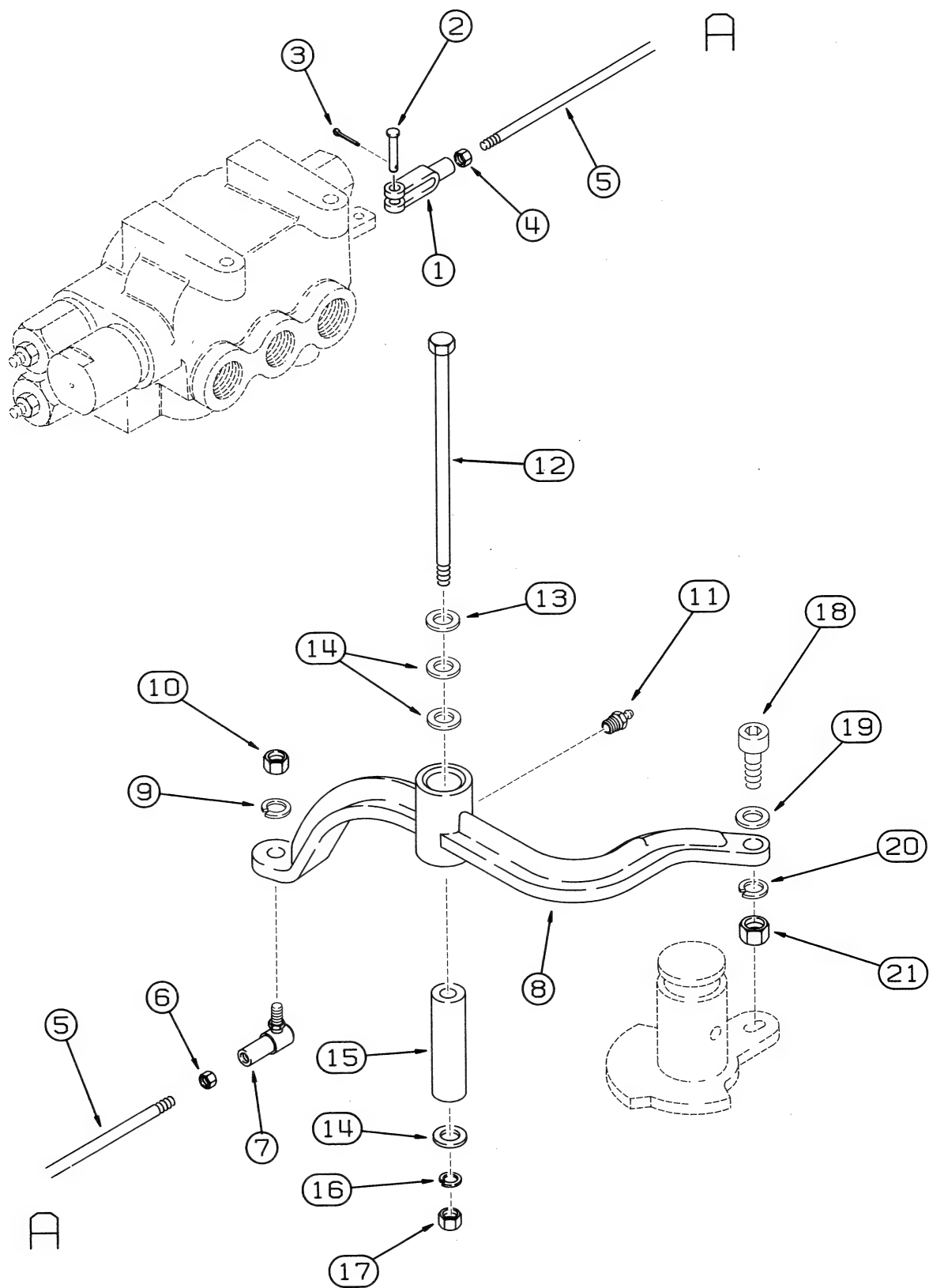
9-30



580 Super K Construction King Loader Backhoe
BACKHOE CONTROLS WITH HAND SWING
PARTS USED WITH EXTENDABLE DIPPER OR
OPTIONAL REAR HYDRAULIC ATTACHMENTS

9-31

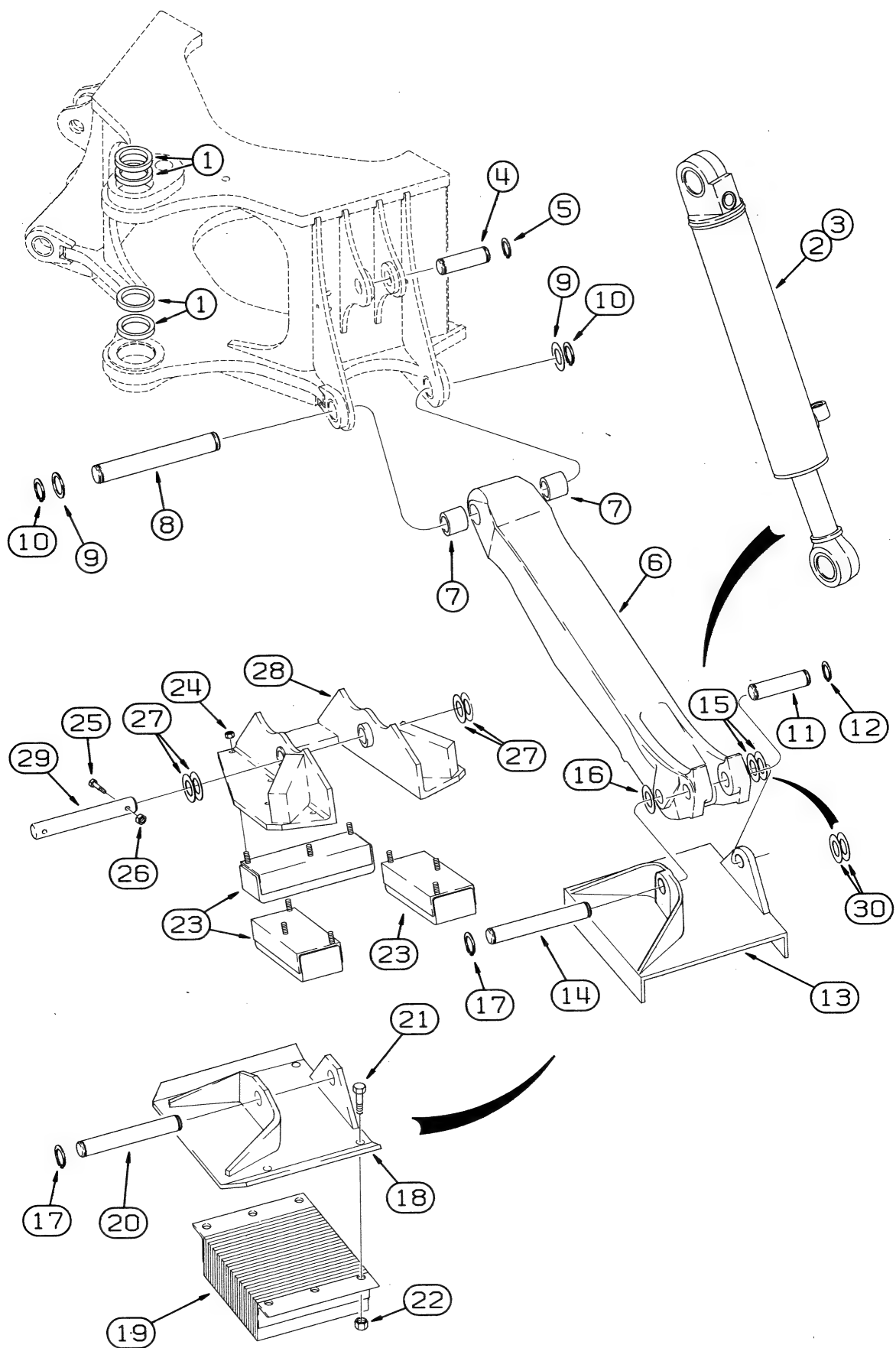
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D150477	PEDAL - right-hand, extendahoe control (replaces D148843 pedal).....	1
2	D140933	SUPPORT - pedal, with hole for tube and grease fitting	1
3	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	2
4	492-11038	WASHER - lock, 3/8 inch	2
5	425-106	NUT - hex, 3/8 inch NC	2
6	D143416	RETAINER - clip ring, special	1
7	D150493	CLEVIS - 3/8 inch, special (replaces D134900 clevis).....	1
8	427-6088	PIN - clevis, 3/8 inch	1
9	432-612	PIN - cotter, 3/32 x 3/4 inch	1
10	425-156	NUT - hex, jam, 3/8 inch NF	1
11	D140610	ROD - extendahoe control	1
12	D149287	PIN - clevis, special, rod to valve	1
13	432-612	PIN - cotter, 3/32 x 3/4 inch	1
14	D85869	BOOT - control rod, if used	1
15	D150032	TUBE - pedal lube	1
16	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1



580 Super K Construction King Loader Backhoe
BACKHOE SWING SEQUENCE VALVE CONTROL

9-33

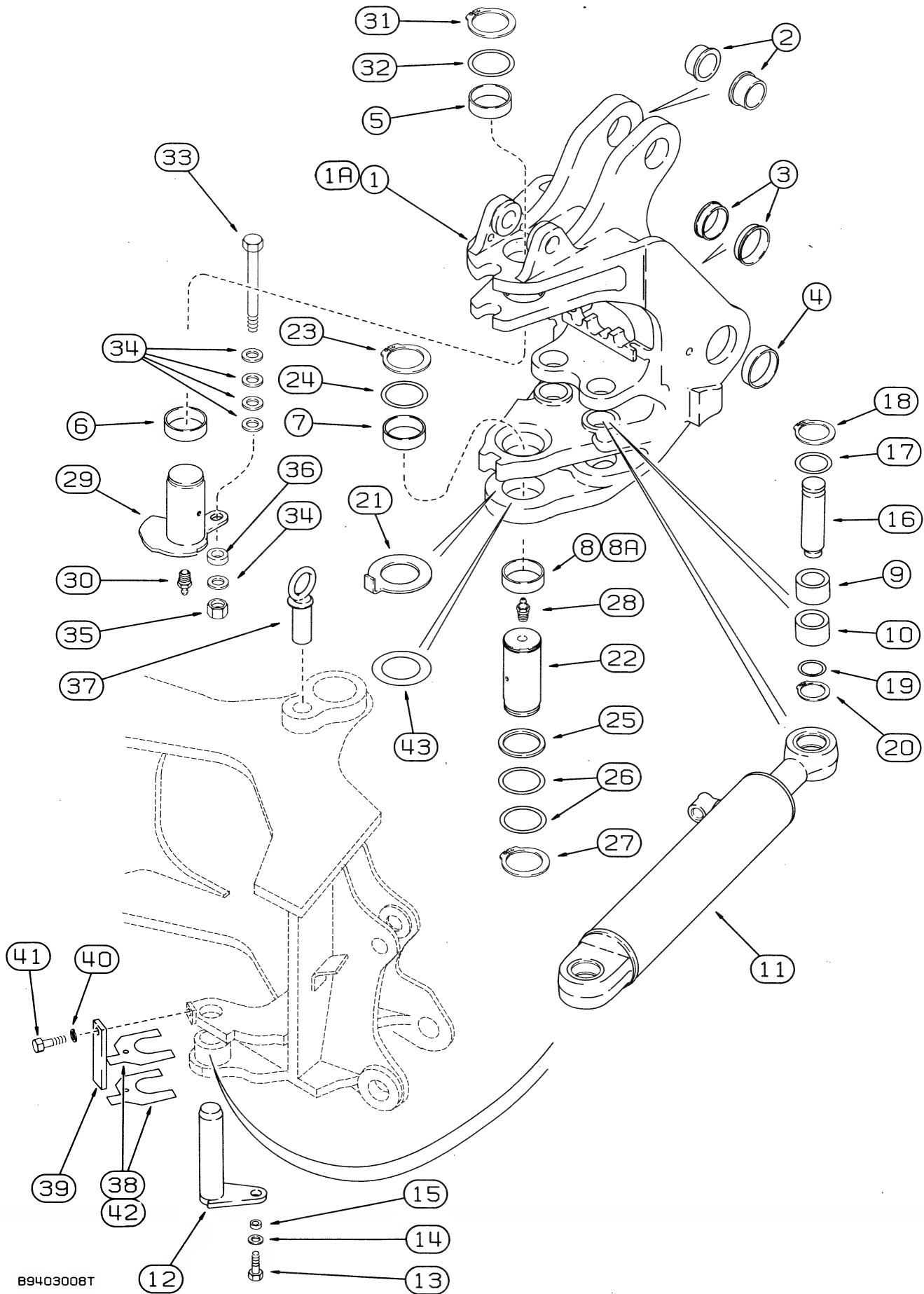
REF.	PART NO.	DESCRIPTION	REQ'D.
1	213-125	CLEVIS - adjustable, 5/16 inch NF, attaches to swing sequence valve spool	1
2	D149287	PIN - clevis, 5/16 x 15/16 inch, hardened	1
3	432-612	PIN - cotter, 3/32 x 3/4 inch.....	1
4	425-115	NUT - hex, 5/16 inch NF.....	1
5	D143594	ROD - control	1
6	129-215	NUT - hex, 3/8 inch NF, left-hand thread, ball joint end.....	1
7	D133522	JOINT - ball, 3/8 inch, left-hand thread	1
8	D145218	LEVER - crank, swing sequence	1
9	492-11038	WASHER - lock, 3/8 inch.....	1
10	425-116	NUT - hex, 3/8 inch NF.....	1
11	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
12	413-888	BOLT - hex, 1/2 NC x 5-1/2 inch.....	1
13	D73296	WASHER - flat, special, hardened.....	1
14	495-21056	WASHER - flat, 9/16 x 1-3/8 x 3/32 inch	UAR
15	D145249	SPACER - pivot.....	1
16	492-11050	WASHER - lock, 1/2 inch.....	1
17	425-108	NUT - hex, 1/2 inch NC	1
18	D145113	FOLLOWER - cam, hex socket.....	1
19	495-11047	WASHER - flat, 15/32 x 59/64 x 1/16 inch	1
20	492-11044	WASHER - lock, 7/16 inch.....	1
21	425-117	NUT - hex, 7/16 inch NF.....	1



580 Super K Construction King Loader Backhoe BACKHOE STABILIZERS, PLATES AND PADS

9-35

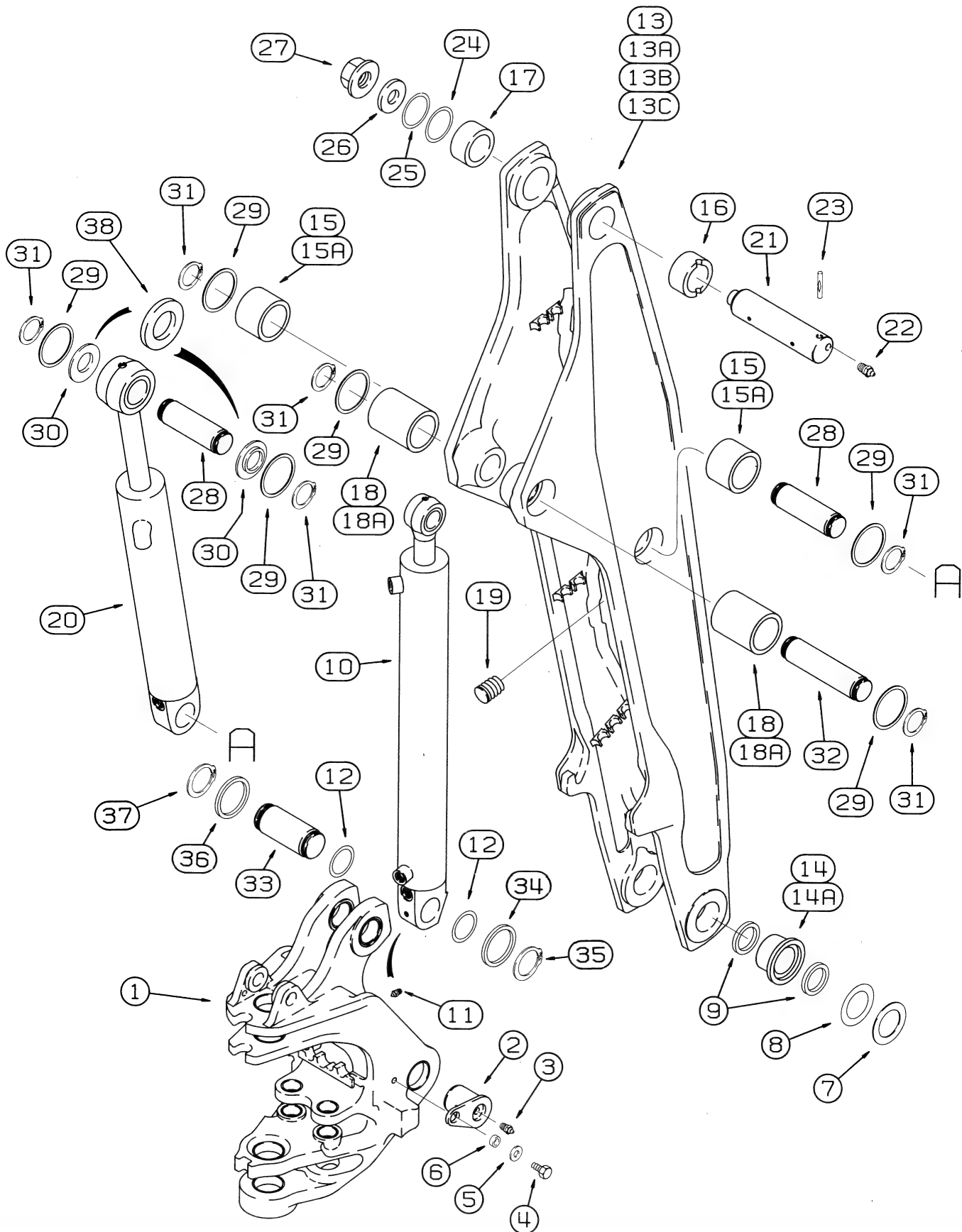
REF.	PART NO.	DESCRIPTION	REQD.
1	D127974	SEAL - frame, at swing tower mounting.....	4
2	REF	CYLINDER ASSEMBLY - stabilizer, right-hand, for correct assembly and components, see page 8-123 or 8-123B.....	1
3	REF	CYLINDER ASSEMBLY - stabilizer, left-hand, for correct assembly and components, see page 8-123 or 8-123B.....	1
4	D38907	PIN - stabilizer cylinder to frame	2
5	103-16175	RING - snap, pin retaining	4
6	D133428	LEG - stabilizer.....	2
7	D50146	BUSHING - leg to frame	2
8	D89838	PIN - stabilizer leg to frame.....	2
9	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch.....	4
10	103-16175	RING - snap, pin retaining.....	4
11	D26002	PIN - stabilizer cylinder to leg.....	2
12	D25279	RING - snap, pin retaining.....	4
13	D88427	PLATE - stabilizer, cleated, if used.....	2
14	D28648	PIN - D88427 stabilizer plate to leg.....	2
15	D31312	WASHER - spacer, 70 mm OD x 1.6 mm thick, hardened, no longer used, order D143406 washer, item 30.....	UAR
16	D28610	WASHER - spacer, 1-1/2 x 2-1/2 x 7/64 thick, no longer used, order D143406 washer, item 30.....	2
17	D25279	RING - snap, pin retaining.....	4
18	D142519	PLATE - stabilizer, street or cemetery, if used	2
19	D61368	PAD - rubber, if used	2
20	D39256	PIN - 9-3/8 inch (238 mm) long, D142519 plate to leg	2
21	413-1228	BOLT - hex, 3/4 NC x 1-3/4 inch	8
22	425-1012	NUT - hex, 3/4 inch NC	8
	D147316	PLATE ASSEMBLY - stabilizer flip over	2
23	D142314	PAD - rubber, used with D147317 plate.....	3
24	425-107	NUT - hex, 7/16 inch NC.....	9
25	413-632	BOLT - hex, 3/8 NC x 2 inch, if used	2
26	230-4216	NUT - hex, self-locking, 3/8 inch NC, if used	2
27	495-81293	WASHER - flat, 1-17/32 x 2-1/16 x 1/8 inch, no longer used, not required	4
28	D147317	PLATE - stabilizer, flip over, Category III, if used	1
29	D149033	PIN - 12-1/2 inch long, plate to stabilizer leg, if used	1
30	D143406	WASHER - flat, 1-17/32 x 2-23/64 x 1/8 inch, used as a spacer	UAR



580 Super K Construction King Loader Backhoe BACKHOE SWING CYLINDERS AND SWING TOWER

9-37

REF.	PART NO.	DESCRIPTION	REQD.
1	D147804	TOWER ASSEMBLY - backhoe swing, prior to P.I.N. JYG0171285, no longer available, order 105929A1 tower, item 1A.....	1
1A	105929A1	TOWER ASSEMBLY - backhoe swing, P.I.N. JYG0171285 and after.....	1
2	D151072	BUSHING - 32 mm wide, boom cylinder pivot (replaces D144422)	2
3	D135742	BUSHING - inner, boom pivot.....	2
4	D135741	BUSHING - outer, boom pivot	2
5	D135557	BUSHING - upper, swing tower pivot	1
6	D135559	BUSHING - upper, tower pivot.....	1
7	D151073	BUSHING - tower pivot (replaces D138042)	1
8	D135559	BUSHING - 70 x 86 x 28 mm long, D147804 tower pivot, lower.....	1
8A	D151074	BUSHING - 70 x 86 x 28 mm long, 105929A1 tower pivot, lower.....	1
9	D136570	BUSHING - upper, swing cylinder pivot	2
10	D136571	BUSHING - lower, swing cylinder pivot	2
11	REF	CYLINDER ASSEMBLY - swing, for correct assembly and components, see page 8-125 - 8-127B	2
12	D147894	PIN - swing cylinder mounting, closed end	2
13	413-816	BOLT - hex, 1/2 NC x 1 inch	2
14	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	2
15	D23740	BUSHING - bolt.....	2
16	D146779	PIN - swing cylinder rod end to swing tower	2
17	D144592	WASHER - flat, 41 mm ID.....	2
18	800-44040	RING - snap	2
19	495-81276	WASHER - flat, 1-5/16 x 1-3/4 x 1/16 inch.....	2
20	103-16125	RING - snap, pin retaining	2
21	D136699	WASHER - bearing, special, swing tower	1
22	D151065	PIN - lower, swing tower to frame, grease fitting mounts in top of pin, without groove pin (replaces D138038)	1
23	800-40070	RING - snap, pin retaining, upper	1
24	D136392	SHIM - 72 mm x 89 mm x 3 mm, upper.....	UAR
25	D136700	SHIM - 67 mm x 83 mm x 2 mm, lower.....	1
26	D136391	SHIM - 72 mm x 89 mm x 1.6 mm	UAR
27	800-40065	RING - snap, pin retaining, lower	1
28	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
29	105749A1	PIN - swing tower to frame, upper (replaces D140657)	1
30	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
31	800-40065	RING - snap, pin retaining	1
32	D136700	SHIM - 67 mm x 83 mm x 2 mm	1
33	426-888	BOLT - hex, 1/2 NC x 5-1/2 inch, grade 8	1
34	495-11053	WASHER - flat, 17/32 x 1-1/16 x 5/64 inch	UAR
35	231-1448	NUT - light hex, self-locking, 1/2 inch NC	1
36	D139603	SPACER - pin mounting	1
37	D149239	PIN - swing stop, without snap ring	1
38	D150498	SHIM - 3 mm thick, pin, swing cylinder	UAR
39	D150452	PLATE - shim retaining	2
40	492-11050	WASHER - lock, 1/2 inch	2
41	413-814	BOLT - hex, 1/2 NC x 7/8 inch	2
42	D150497	SHIM - 1.6 mm thick, pin, swing cylinder	UAR
43	134167A1	SHIM - 2.05 mm thick, if used.....	UAR

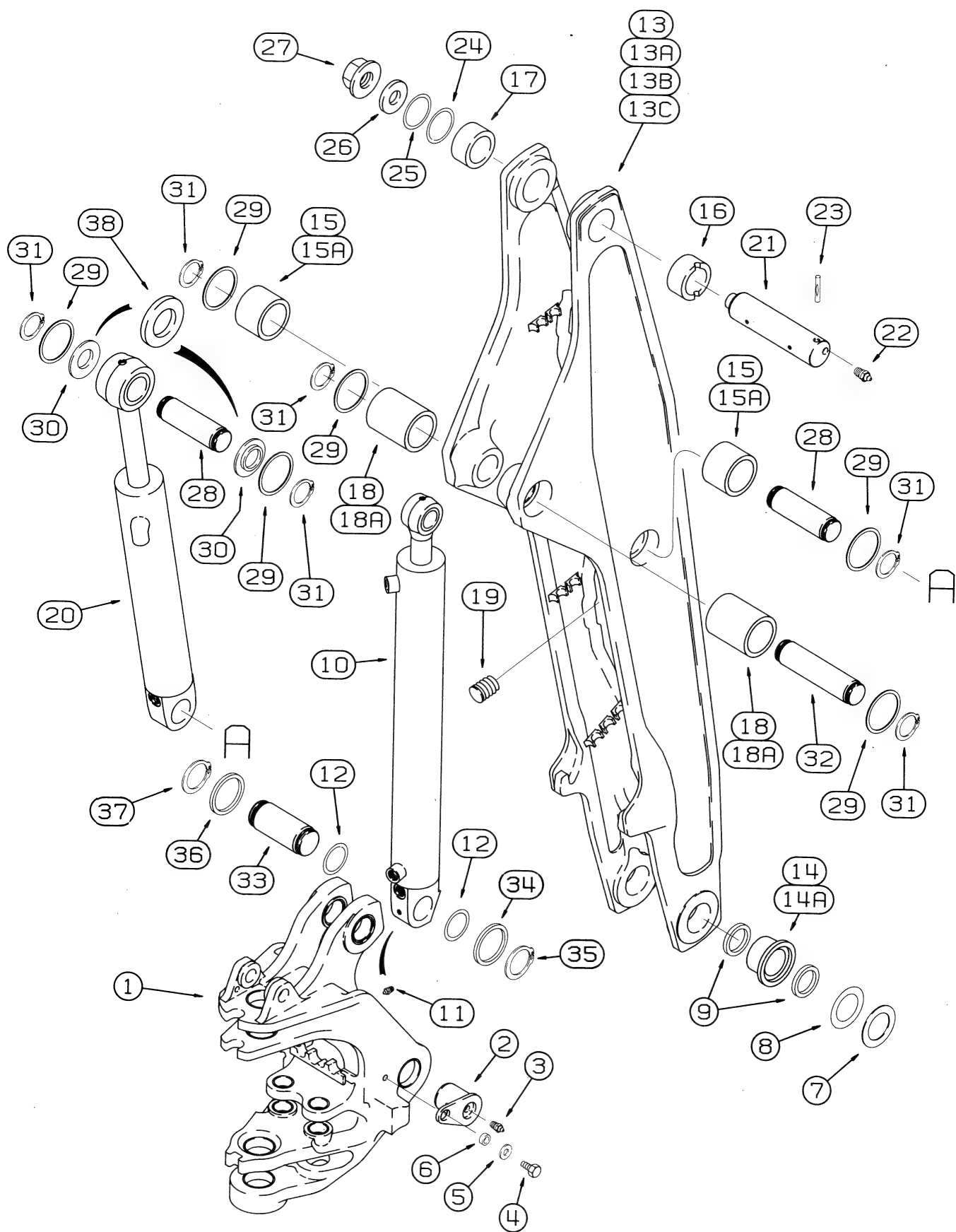


580 Super K Construction King Loader Backhoe BACKHOE SWING TOWER AND BOOM

9-39

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	SWING TOWER - backhoe, with inner ears, see page 9-37 for swing tower and bushings.....	1
2	105752A1	PIN - swing tower to boom (replaces D140093).....	2
3	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
4	413-1224	BOLT - hex, 3/4 NC x 1-1/2 inch	2
5	T53681	WASHER - flat, 20 x 44 x 6 mm, hardened	2
6	D132045	SPACER - 25/32 inch ID x 1-1/4 inch OD x 1/2 inch thick	2
7	H71514	WASHER - boom to swing tower	UAR
8	R32119	SHIM - 2-13/16 x 4-1/2 x 1/16 inch	UAR
9	D127974	SEAL - grease, used with D136569 bushing, item 14, if used.....	4
10	REF	CYLINDER ASSEMBLY - boom, for correct assembly and components, see page 8-129 - 8-131D	1
11	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
12	D127974	SEAL - grease, if used.....	4
13	D147729	BOOM - backhoe, includes grooved bushing used with item 9 grease seal at boom to swing tower pivot, prior to P.I.N. JYG0163952, no longer available, order 105928A1 boom	1
13A	D150606	BOOM - backhoe, without grease seal at boom to swing tower pivot, P.I.N. JYG0163952 thru JYG0169122, no longer available, order 105928A1 boom	1
13B	101630A1	BOOM - backhoe, without grease seal at boom to swing tower pivot, P.I.N. JYG0169123 thru JYG0171284, no longer available, order 105928A1 boom.....	1
13C	105928A1	BOOM - backhoe, service replacement.....	1
14	D136569	BUSHING - 70 x 90 x 34 mm long, with grease seal groove, D147729 boom to swing tower pivot.....	2
14A	D151071	BUSHING - 70 x 90 x 34 mm long, without groove for grease seal, D150606, 101630A1 or 105928A1 boom (replaces D150120)	2
15	D137217	BUSHING - 50 x 70 x 54 mm long, without slot for groove pin, dipper cylinder closed end pivot, D147729 or D150606 boom...2	2
15A	D138047	BUSHING - 50 x 60 x 54 mm long, 101630A1 or 105928A1 boom...2	2
16	D135739	BUSHING - 70 mm ID x 44 mm long, with slot for groove pin, right-hand side of boom at boom to dipper pivot.....	1
17	D137218	BUSHING - 70 mm ID x 44 mm long, without slot for groove pin, left-hand side of boom at boom to dipper pivot.....	1
18	D145080	BUSHING - 50 x 70 x 78 mm long, boom cylinder rod end pivot, D147729 or D150606 boom	2
18A	D148798	BUSHING - 50 x 60 x 78 mm long, boom cylinder rod end pivot, 101630A1 or 105928A1 boom.....	2
19	D120450	PLUG - plastic	7
20	REF	CYLINDER ASSEMBLY - dipper, for correct assembly and components, see page 8-133 - 8-135D	1
21	D132494	PIN - boom to dipper.....	1

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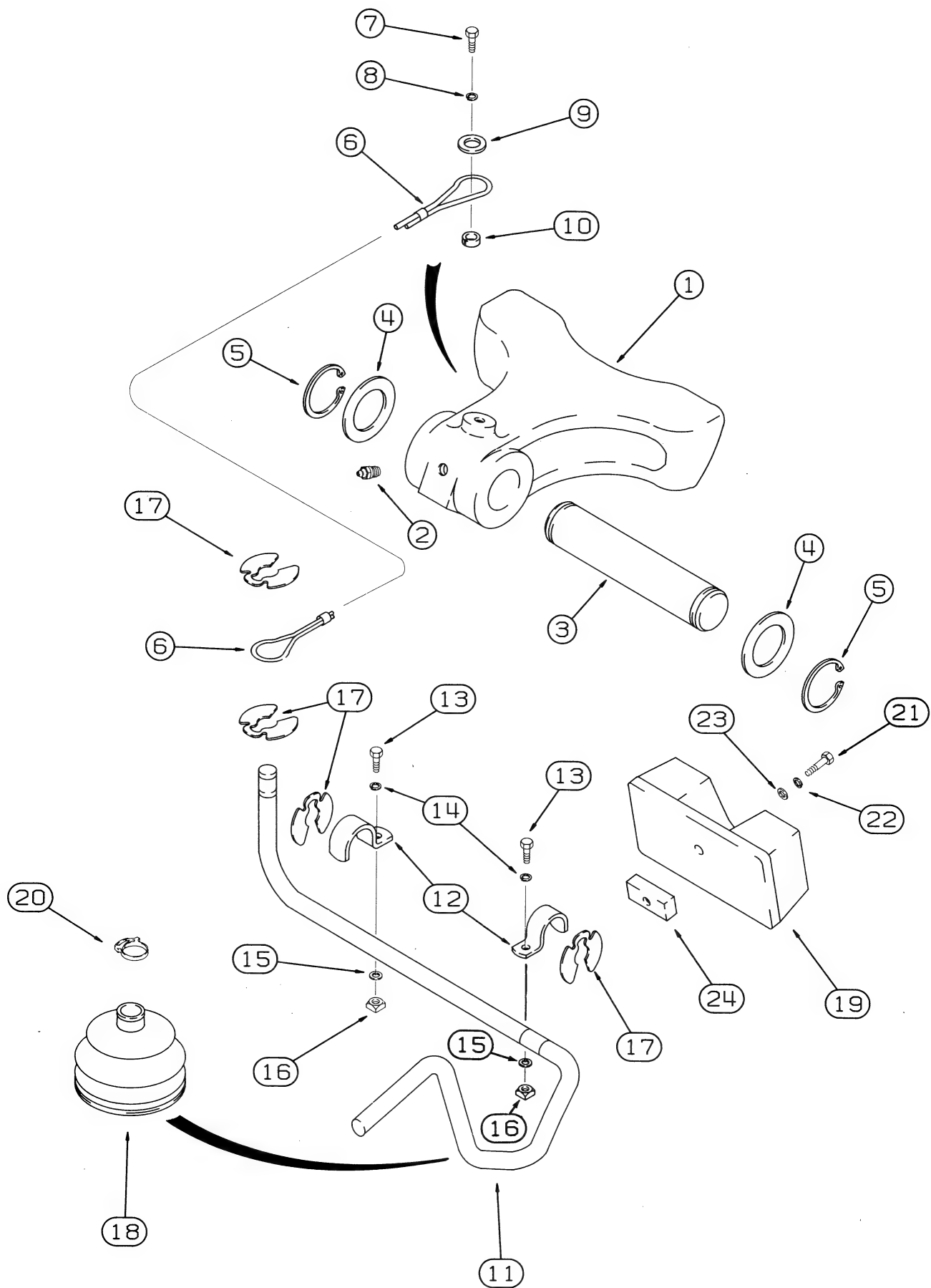


580 Super K Construction King Loader Backhoe BACKHOE SWING TOWER AND BOOM

9-41

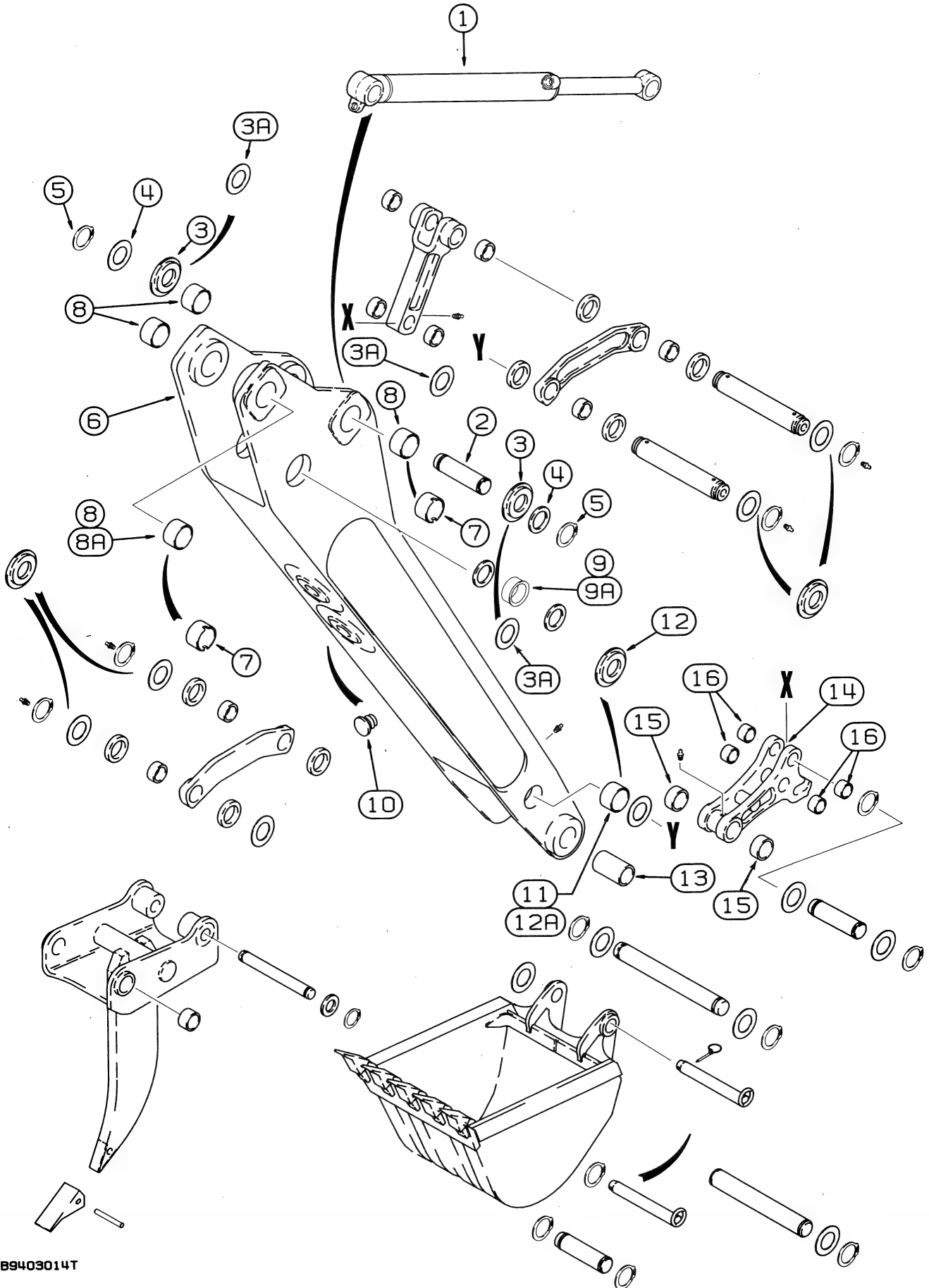
REF.	PART NO.	DESCRIPTION	REQD.
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
23	135-823	PIN - groove, 1/2 x 3-1/4 inch	1
24	D136391	SHIM - 72 x 89 x 1.6 mm, boom to dipper.....	UAR
25	D136392	SHIM - 72 x 89 x 3 mm, boom to dipper.....	UAR
26	D133632	WASHER - flat, hardened, special.....	1
27	D120610	NUT - hex, 1-3/4 NF special.....	1
28	*D138022	PIN - dipper cylinder to boom and dipper	2
29	*495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch.....	UAR
30	*D141164	SPACER - 1-13/16 x 3 x 1/8 inch, no longer used, order 495-81227 washer, item 38	UAR
31	103-16175	RING - snap, pin retaining	6
32	D138023	PIN - boom cylinder rod end to boom	1
33	D151068	PIN - boom cylinder closed end to swing tower (replaces D144420).....	1
34	D144423	WASHER - 2-5/8 x 3-3/8 x 1/8 inch, used as a shim	1
35	800-40065	RING - snap, pin retaining, right-hand side of swing tower	1
36	D136391	SHIM - 2-27/32 x 3-1/2 x 1/16 inch	UAR
37	800-40070	RING - snap, pin retaining, left-hand side of swing tower.....	1
38	495-81227	WASHER - flat, 2-1/16 x 2-15/16 x 1/16 inch.....	UAR

***NOTE:** Either use two of item 29 or two of item 30 for D138022 dipper cylinder mounting pin, item 28, on the dipper cylinder rod end to dipper.



BOOM LATCH

REF.	PART NO.	DESCRIPTION	REQD.
1	D143296	LATCH - backhoe boom.....	1
2	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
3	D129227	PIN - boom latch to swing tower	1
4	D144592	WASHER - flat, special	2
5	800-44040	RING - snap, pin retaining	2
6	D129641	CABLE - latch control	1
7	413-616	BOLT - hex, 3/8 NC x 1 inch	1
8	492-11038	WASHER - lock, 3/8 inch	1
9	496-81003	WASHER - flat, 13/32 x 1-1/16 x 3/32 inch, hardened.....	1
10	D143417	SPACER - 10 mm x 16 mm x 6 mm	1
11	D148136	ROD - boom latch control	1
12	D143723	CLAMP - rod	2
13	413-612	BOLT - hex, 3/8 NC x 3/4 inch	2
14	492-11038	WASHER - lock, 3/8 inch	2
15	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	2
16	224-2246	NUT - square, 3/8 inch NC	2
17	D95096	RETAINER - clip ring (replaces D143591).....	4
18	D86664	BOOT - rod	1
19	102923A1	BUMPER - boom, used without shims (replaces D149779 bumper).....	1
20	D143735	CLAMP - boot	1
21	413-632	BOLT - hex, 3/8 NC x 2 inch	1
22	492-11038	WASHER - lock, 3/8 inch	1
23	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	1
24	D143425	PLATE - boom stop	1



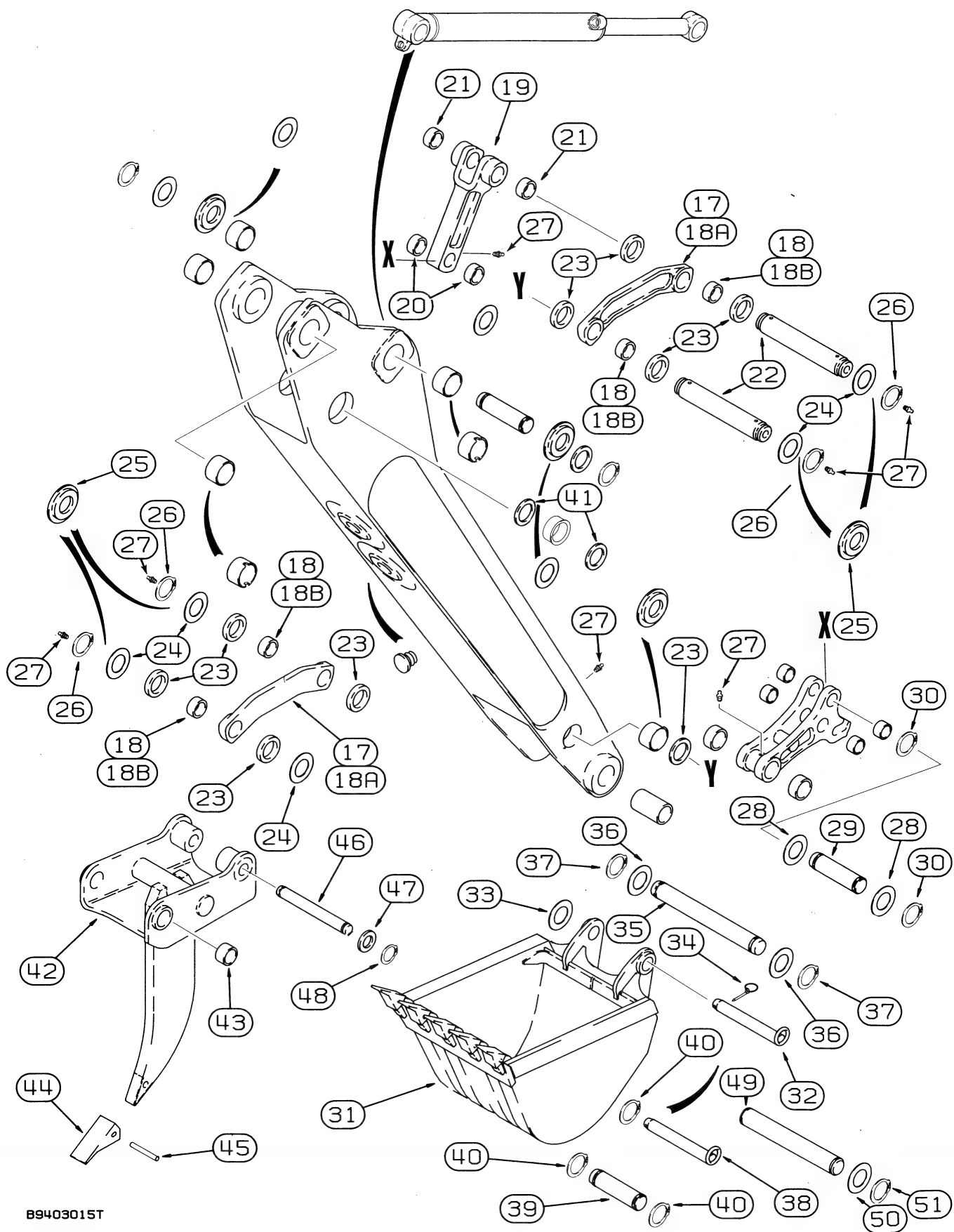
580 Super K Construction King Loader Backhoe BACKHOE DIPPER AND BUCKET

9-45

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	CYLINDER ASSEMBLY - bucket, for correct assembly and components, see page 8-137 - 8-139D	1
2	*D138022	PIN - bucket cylinder closed end to dipper	1
3	*D141164	SPACER - 1-13/16 x 3 x 1/8 inch, no longer used, order 495-81227 washer, item 3A.....	UAR
3A	495-81227	WASHER - flat, 2-1/16 x 2-15/16 x 1/16 inch.....	UAR
4	*495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch.....	UAR
5	103-16175	RING - snap, pin retaining	2
	D145902	DIPPER ASSEMBLY - backhoe, used in production, for service order 102434A1 dipper kit on page 9-47B	1
	D145904	DIPPER ASSEMBLY - backhoe, includes seals, items 23 below and item 41 on page 9-47, no longer available, for service order 102434A1 dipper kit on page 9-47B	1
	D150784	DIPPER ASSEMBLY - backhoe, without grease seals, no longer available, for service order 102434A1 dipper kit on page 9-47B	1
	101631A1	DIPPER ASSEMBLY - backhoe, used in production on tractor P.I.N. JJG0169123 and after, includes items 10 and 12A only, for service order 102434A1 dipper kit on page 9-47B	1
6	NSS	DIPPER - backhoe.....	1
7	D136565	BUSHING - 50 ID x 54 mm long, with slot for groove pin, right-hand side of dipper at dipper cylinder rod end pivot and bucket cylinder closed end pivot, D145904 dipper.....	2
8	D137217	BUSHING - 50 x 70 x 54 mm long, without slot for groove pin, dipper cylinder rod end pivot and bucket cylinder closed end pivot, (2-4) on D145902, (2) on D145904 dipper, (4) used on D150784 dipper	2-4
8A	D138047	BUSHING - 50 x 60 x 54 mm long, dipper cylinder rod end, used with 101631A1 dipper only, not included in 101631A1 dipper assembly, order separately	2
9	D135740	BUSHING - 70 ID x 36 mm long, to boom pivot, with groove for grease seals, D145902 or D145904 dipper, no longer used on D145902 dipper.....	2
9A	D150121	BUSHING - 70 ID x 36 mm long, without groove for grease seals, if used; D150784 or 101631A1 dipper, not included in 101631A1 dipper assembly, order separately.....	2
10	D120450	PLUG - plastic	6
11	D141249	BUSHING - 50 ID x 25 mm long, bucket link pivot, D145902 or D150784 dipper	2
12	D136573	BUSHING - 50 ID x 36 mm long, bucket link pivot, D145904 dipper	2
12A	D140029	BUSHING - 50 x 60 x 25.5 mm long, 101631A1 dipper only	2
13	D127168	BUSHING - 45 ID x 94 mm long, bucket coupler pivot, no longer included with dipper assembly, may need to order separately ..	2
	134437A1	COUPLER ASSEMBLY - bucket (replaces D139084)	1
14	NSS	COUPLER - backhoe bucket	1
15	D127167	BUSHING - 30 mm long, special, at dipper.....	2
16	D127172	BUSHING - 28 mm long, at bucket link	4

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***NOTE:** Either use two of item 3 or two of item 4 with D138022 pin.

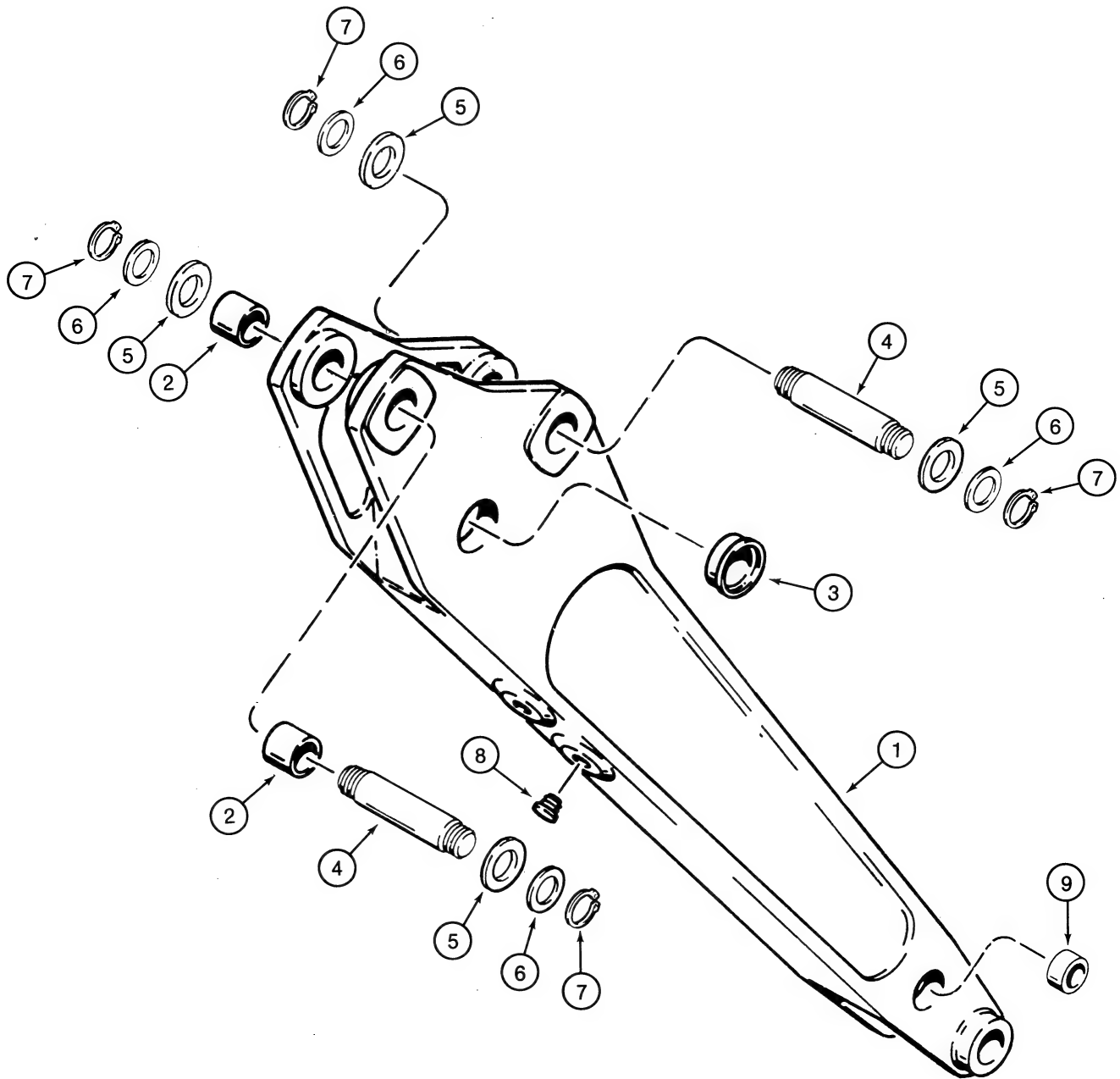


580 Super K Construction King Loader Backhoe BACKHOE DIPPER AND BUCKET

9-47

REF.	PART NO.	DESCRIPTION	REQD.
17	*D141468	LINK - 25 mm wide bushing, bucket guide, with groove for grease seals, item 23, prior to P.I.N. JJG0163952, no longer available, order D150608, item 18A.....	2
18	D140029	BUSHING - 50 x 60 x 25.5 mm	2
18A	D150608	LINK - 33 mm wide bushing, used without grease seals, bucket guide, P.I.N. JJG0163952 and after	2
18B	D150122	BUSHING - 50 x 60 x 33 mm	2
19	*D150080	LINK - bucket dump, with two bushings at forked end (replaces D140007 link)	1
20	D127172	BUSHING - 28 mm long	2
21	D138047	BUSHING - 54 mm long	2
22	D141142	PIN - 306 mm long	2
23	D123655	SEAL - grease	8
24	495-81282	WASHER - flat, 2-1/16 x 3 x 1/8 inch	UAR
25	D141164	SPACER - 1-13/16 x 3 x 1/8 inch	4
26	103-16175	RING - snap, pin retaining	4
27	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	7
28	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	2
29	D146288	PIN - dump link to bucket coupler	1
30	103-16175	RING - snap	2
31	REF	BUCKET - backhoe, see pages 9-53 - 9-69 for bucket options	1
32	D140655	PIN - dipper to bucket, all buckets except 12 inch (305 mm) buckets, for models with 12 inch bucket see item 38 pin; D140655 pin is no longer used, order D150619 pin, (2) 103-16175 rings, and 495-81226 washer, items 49-51 below	1
33	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8	1
34	392181R1	PIN - lock, if used	1
35	D37614	PIN - bucket to coupler	1
36	D143324	WASHER - spacer, 38 mm x 64 mm x 2 mm	2
37	D25279	RING - snap, pin retaining	2
38	D135690	PIN - dipper to bucket, 12 inch (305 mm) buckets only, not used on the Universal 12 inch bucket, see item 39	1
39	D149298	PIN - dipper to bucket, 12 inch (305 mm) Universal bucket only	1
40	103-16175	RING - snap, pin retaining, used with either item 38 or 39 pin	1-2
41	D127974	SEAL - grease	4
	D140679	POINT ASSEMBLY - frost, backhoe	1
42	NSS	BODY - frost point	1
43	D37495	BUSHING - front point pivot	2
44	D83306	POINT - tooth	1
45	D43417	PIN - tooth point	1
46	D54218	PIN - link to frost point	1
47	495-81292	WASHER - flat, 1-9/16 x 3-1/4 x 3/16 inch	2
48	D25279	RING - snap, pin retaining	2
49	D150619	PIN - dipper to bucket, all buckets except 12 inch (305 mm) buckets, for models with 12 inch bucket see item 38 pin	1
50	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	UAR
51	103-16175	RING - snap, dipper to bucket pin	2

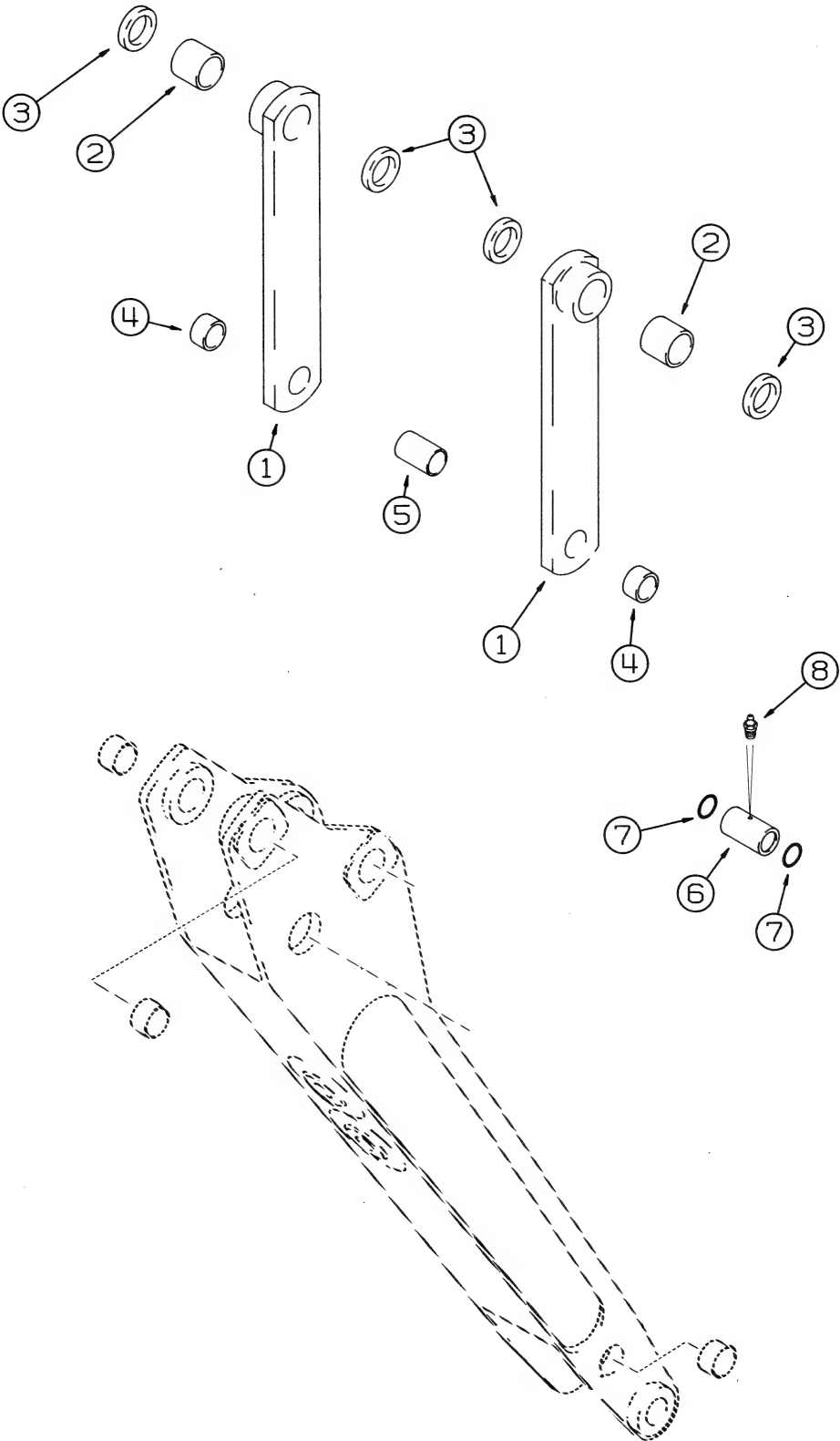
***NOTE:** See page 9-47D for optional backhoe bucket links for rear attachments.



580 Super K Construction King Loader Backhoe
BACKHOE DIPPER ASSEMBLY KIT

9-47B

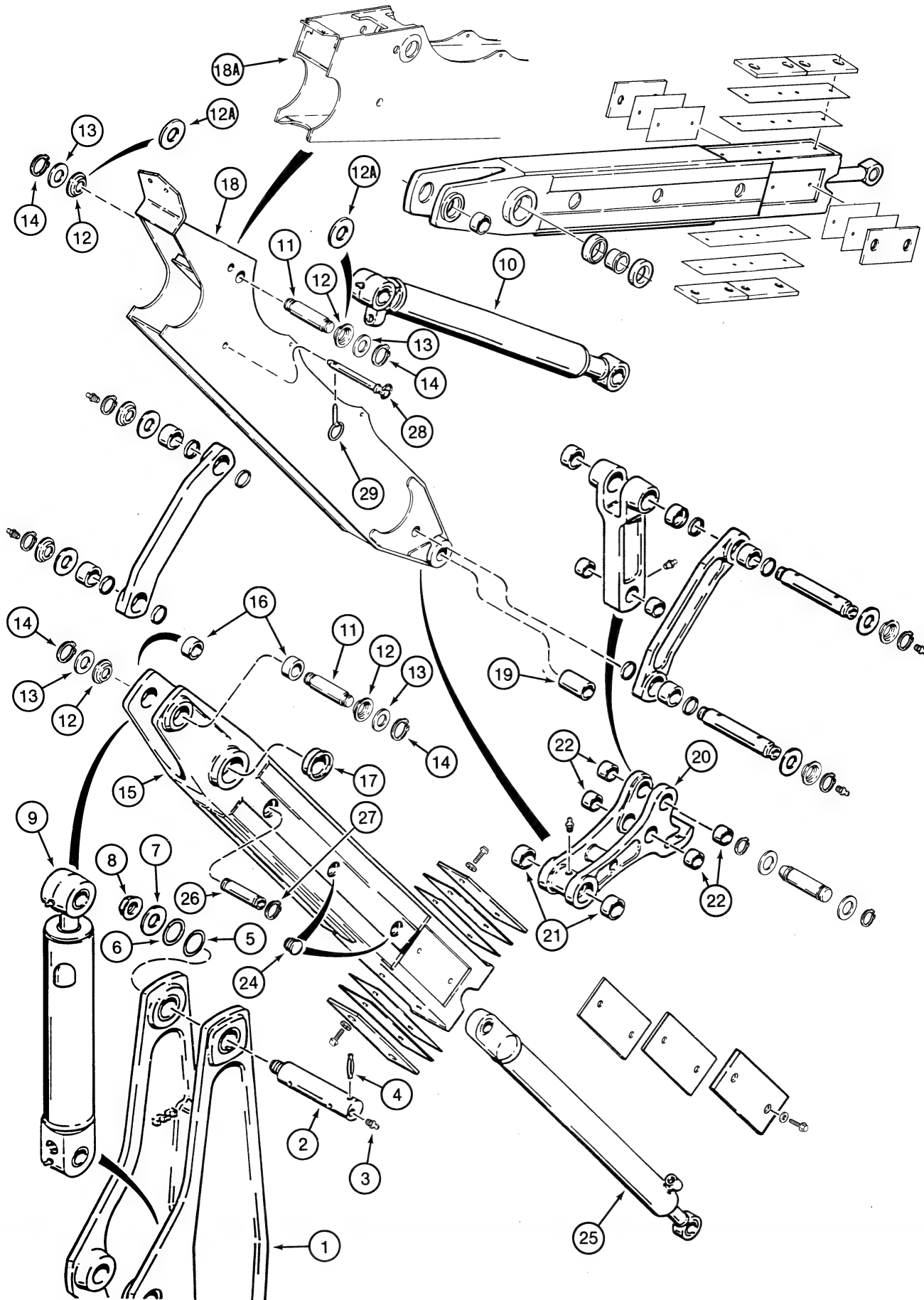
REF.	PART NO.	DESCRIPTION	REQ'D.
	102434A1	DIPPER ASSEMBLY - backhoe, service replacement.....	1
1	NSS	DIPPER - backhoe.....	1
2	D138047	BUSHING - 50 x 60 x 54 mm long, dipper cylinder rod end pivot.....	2
3	D150121	BUSHING - 70 x 36 mm long, dipper to boom.....	2
4	D138022	PIN - bucket cylinder closed end and dipper cylinder rod end.....	2
5	495-81227	WASHER - flat, 2-1/16 x 2-15/16 x 1/16 inch	UAR
6	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	4
7	103-16175	RING - snap	4
8	D120450	PLUG - plastic	6
9	D140029	BUSHING - 50 x 60 x 25.5 mm long, bucket link pivot	2



580 Super K Construction King Loader Backhoe
OPTIONAL BACKHOE BUCKET LINKS
FOR REAR ATTACHMENTS

9-47D

REF.	PART NO.	DESCRIPTION	REQD.
	D141074	LINK ASSEMBLY - bucket, used with item 17 link on page 9-47, may replace item 14 coupler (page 9-45) and item 19 link (page 9-47) for some attachments.....	2
1	NSS	LINK - attachment	1
2	D138047	BUSHING - 2-1/8 inch (54 mm) long, cylinder pivot.....	1
3	D123655	SEAL - grease	2
4	D31140	BUSHING - 1 inch (25 mm) long, pivot.....	1
5	D141075	SPACER - 2-25/32 inch (71 mm) long, links.....	1
6	D141076	SPACER - 5-7/16 inch (138 mm) long, dipper end	1
7	A14506	O-RING - spacer	2
8	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1



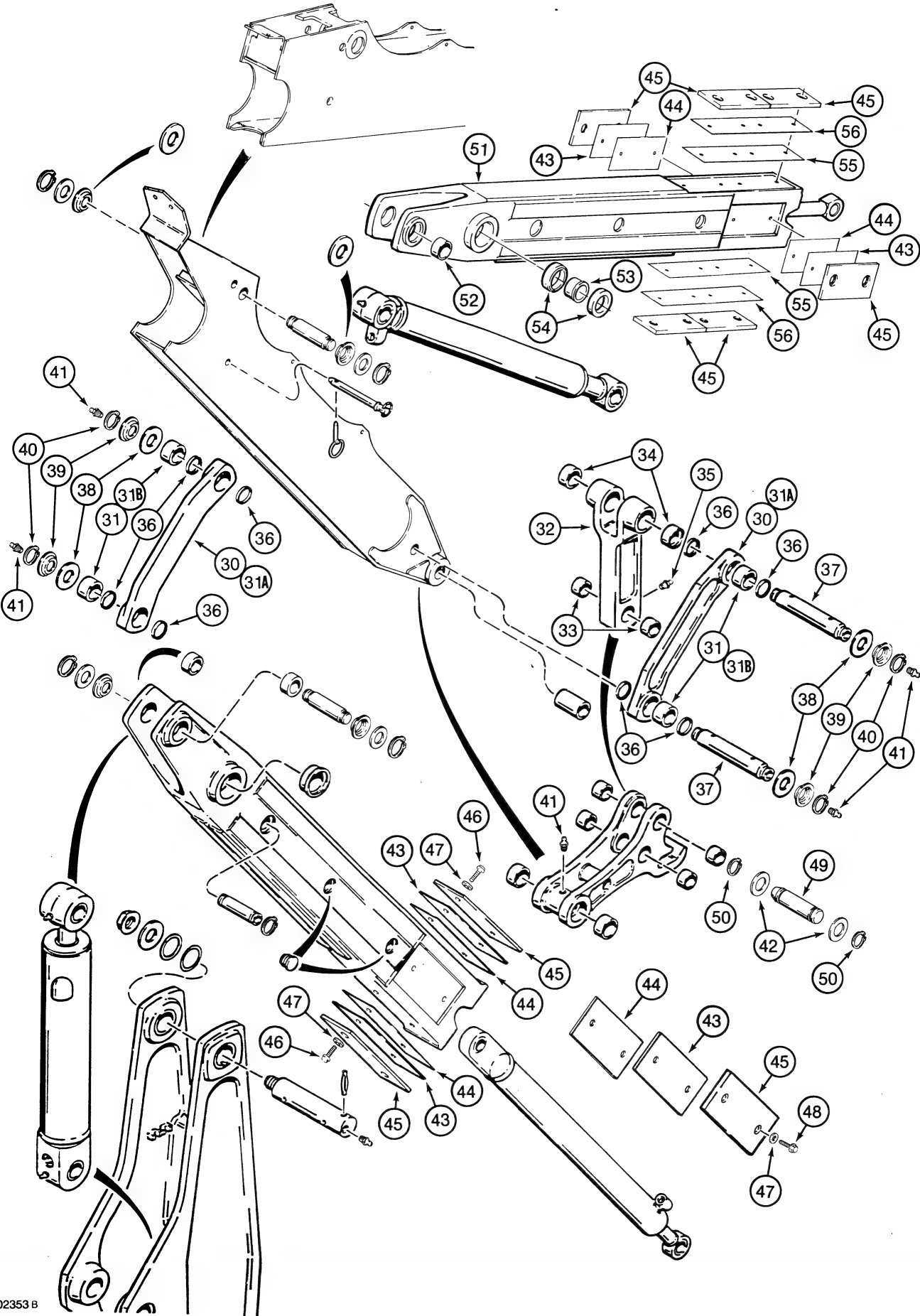
580 Super K Construction King Loader Backhoe

EXTENDABLE DIPPER

9-49

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	BOOM - backhoe, for correct assembly and components, see page 9-39.....	1
2	D132494	PIN - boom to dipper.....	1
3	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
4	135-823	PIN - groove, 1/2 x 3-1/4 inch	1
5	D136391	SHIM - 72 mm x 89 mm x 1.6 mm, boom to dipper.....	2
6	D136392	SHIM - 72 mm x 89 mm x 3.05 mm	1
7	D133632	WASHER - flat, hardened, special.....	1
8	D120610	NUT - hex, 1-3/4 NF, special.....	1
9	REF	CYLINDER ASSEMBLY - dipper, for correct assembly and components, see page 8-133 - 8-135D	1
10	REF	CYLINDER ASSEMBLY - bucket, for correct assembly and components, see page 8-137 - 8-139D.....	1
11	*D141666	PIN - dipper and bucket cylinder to dippers.....	2
12	*D141164	SPACER - 1/13/16 x 3 x 1/8 inch, no longer used, order 495-81227 washer, item 12A.....	4
12A	495-81227	WASHER - flat, 2-1/16 x 2-15/16 x 1/16 inch.....	UAR
13	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch.....	4
14	*103-16175	RING - snap, pin retaining (replaces D25280).....	4
	*D149018	DIPPER ASSEMBLY - extension, inner, without grease seals at dipper pivot (replaces D140889).....	1
15	NSS	DIPPER - inner.....	1
16	D149079	BUSHING - 50 mm x 34 mm long, dipper cylinder rod end pivot.....	2
17	D150121	BUSHING - 70 mm x 36 mm long, to dipper pivot.....	2
18	D147989	HOUSING - dipper, outer, 8 mm thick side plates, without inner cylinder mounting reinforcement ears at bucket end, if used.....	1
18A	102649A1	HOUSING - dipper, outer, if used	1
19	D127168	BUSHING - 45 mm ID x 94 mm long, bucket coupler pivot	2
	134437A1	COUPLER ASSEMBLY - bucket (replaces D139084)	1
20	NSS	COUPLER - backhoe bucket	1
21	D127167	BUSHING - 1-3/16 inch (30 mm) long, special, at dipper	2
22	D127172	BUSHING - 1-1/8 inch (28 mm) long, at bucket link.....	4
24	D133865	PLUG - plastic.....	4
25	1340969C1	CYLINDER ASSEMBLY - dipper extension, parts list page 8-141	1
26	D129892	PIN - dipper extension cylinder closed end	1
27	800-44040	RING - snap, pin retaining	2
28	D140247	PIN - lock, used at dipper extension cylinder closed end when transporting only, used with item 29 lock pin.....	1
29	A33509	PIN - lock.....	1
	*D103366	KIT - extendahoe inner dipper assembly, includes items with an asterisk on pages 9-49 and 9-51 and an instruction sheet.....	1

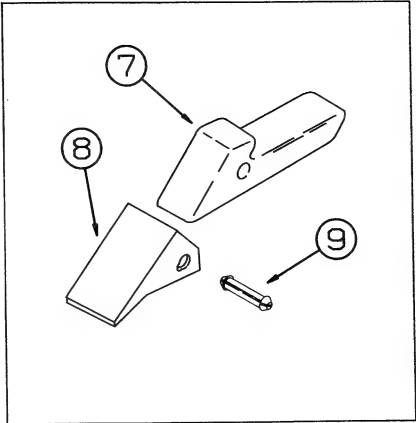
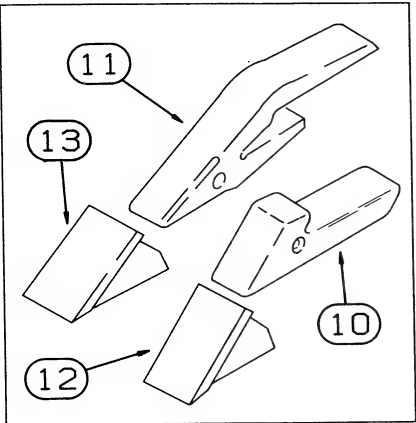
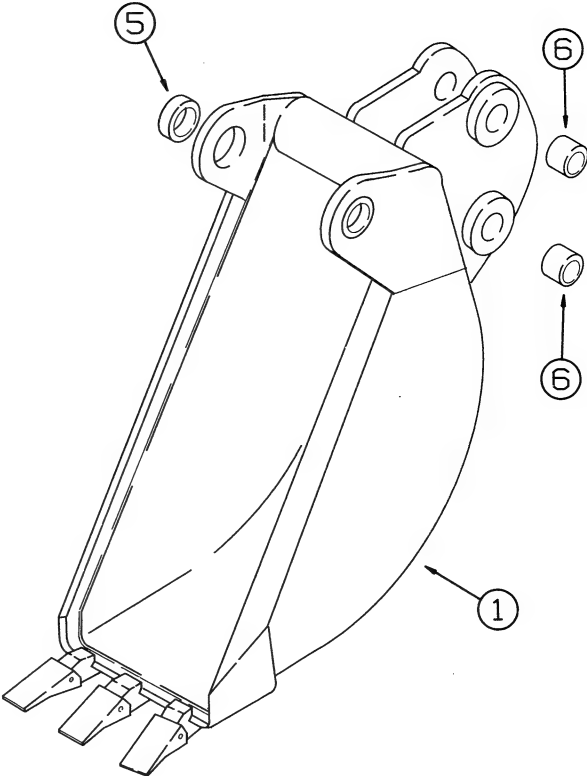
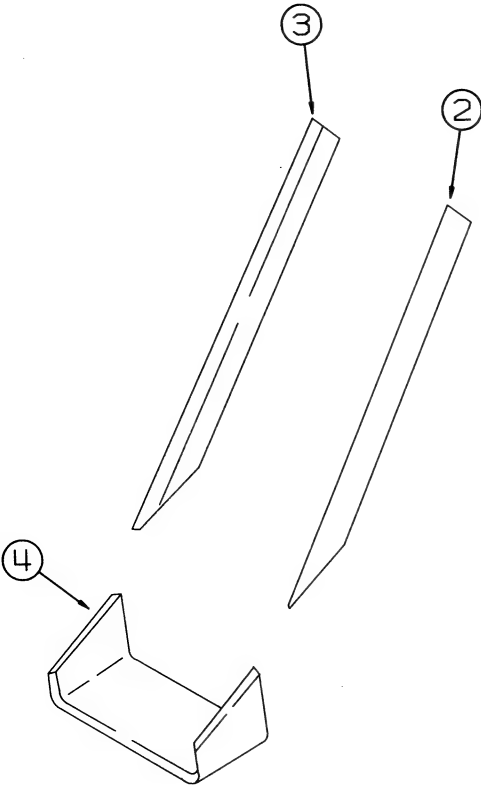
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580 Super K Construction King Loader Backhoe EXTENDABLE DIPPER

9-51

REF.	PART NO.	DESCRIPTION	REQD.
30	D141468	LINK - 25 mm wide bushing, bucket guide, with groove for grease seals, item 36, prior to P.I.N. JJG0163952, no longer available, order D150608, item 31A	2
31	D140029	BUSHING - 50 mm x 60 mm x 25 mm	2
31A	D150608	LINK - 33 mm wide bushing, used without grease seals, bucket guide, P.I.N. JJG0163952 and after	2
31B	D150122	BUSHING - 50 x 60 x 33 mm	2
32	D150080	LINK - bucket dump, with two bushings at forked end (replaces D140007).....	1
33	D127172	BUSHING - 1-1/8 inch (28 mm) long.....	2
34	D138047	BUSHING - 2-1/8 inch (54 mm) long.....	2
35	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
36	D123655	SEAL - grease, if used.....	8
37	D141142	PIN - 306 mm long, bucket cylinder rod end to links and links to dipper	2
38	495-81282	WASHER - flat, 2-1/16 x 3 x 1/8 inch	4
39	D141164	SPACER - 1-13/16 x 3 x 1/8	4
40	103-16175	RING - snap, pin retaining	4
41	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	5
42	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch.....	2
43	*D140886	SHIM - 1.6 mm thick, wear plate, D149018 inner dipper, item 15 on page 9-49	UAR
44	*D140885	SHIM - 0.8 mm thick, wear plate, D149018 inner dipper, item 15 on page 9-49	UAR
45	*D141998	PLATE - wear, plastic, outer	4-6
46	*409-7612	BOLT - hex flange, self-locking, 3/8 NC x 3/4 inch (replaces 121-228).....	4-8
47	*D143167	WASHER - special	8-12
48	*D143961	BOLT - hex flange, self-locking, 3/8 NC x 1/2 inch.....	4
49	D146288	PIN - dump link to bucket coupler, if used	1
50	103-16175 D140889	RING - snap, if used	2
		DIPPER ASSEMBLY - extension, inner, with grease seals at dipper pivot, no longer available, order D149018 dipper on page 9-49	1
51	NSS	DIPPER - inner.....	1
52	D141389	BUSHING - 50 x 34 mm long, dipper cylinder rod end pivot.....	2
53	D135740	BUSHING - 70 x 36 mm long, to dipper pivot	2
54	D127974	SEAL - grease, 70 mm, dipper pivot.....	4
55	*D140873	SHIM - .8 mm thick, wear plate, D140889 inner dipper, item 51	UAR
56	*D140874	SHIM - 1.6 mm thick, wear plate, D140889 inner dipper, item 51	UAR
	*D103366	KIT - extendahoe inner dipper assemblies, includes items marked with an asterisk on pages 9-49 and 9-51 and an instruction sheet.....	1



BACKHOE BUCKET**12 INCH (305 MM) WIDE**

REF. PART NO.

DESCRIPTION

REQD.

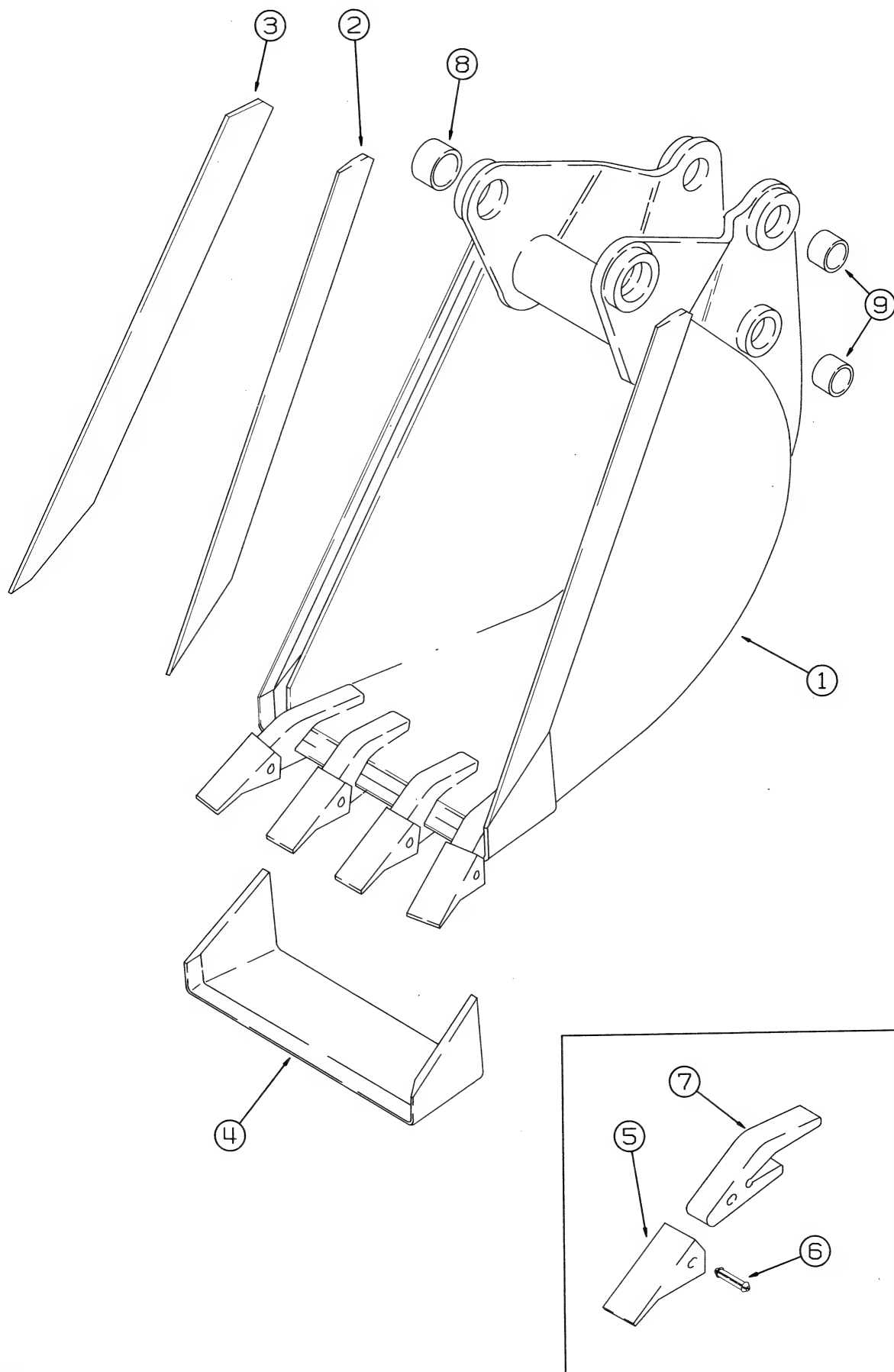
12 INCH (305 MM) WIDE TRENCHING BUCKET AND TEETH

1	D52642	BUCKET ASSEMBLY - 12 inch (305 mm) machinery item, order from Machinery Price List	1
2	D29424	EDGE - cutting, bucket, right-hand side	1
3	D29423	EDGE - cutting, bucket, left-hand side	1
4	D37464	EDGE - cutting, bucket, center	1
5	D40243	BUSHING - bucket, at dipper	2
6	D30933	BUSHING - bucket, at bucket links	4
	D41659	TOOTH ASSEMBLY - trenching bucket, pinned-on	3
7	NSS	SHANK - tooth	1
8	D39093	POINT - tooth	1
9	D39094	PIN - flex, point	1

CRIMPED-ON BUCKET TEETH

10	D26368	SHANK - tooth, original equipment, if used	UAR
11	D58499	SHANK - tooth, service option, if used	UAR
12	D27748	POINT - tooth, original equipment, if used	UAR
13	D36720	POINT - tooth, heavy duty service option, if used	UAR

NOTE: See item 38 on page 9-47 for pin used on 12 inch buckets.



BACKHOE BUCKETS**18 INCH (457 MM) AND 24 INCH (610 MM) WIDE**

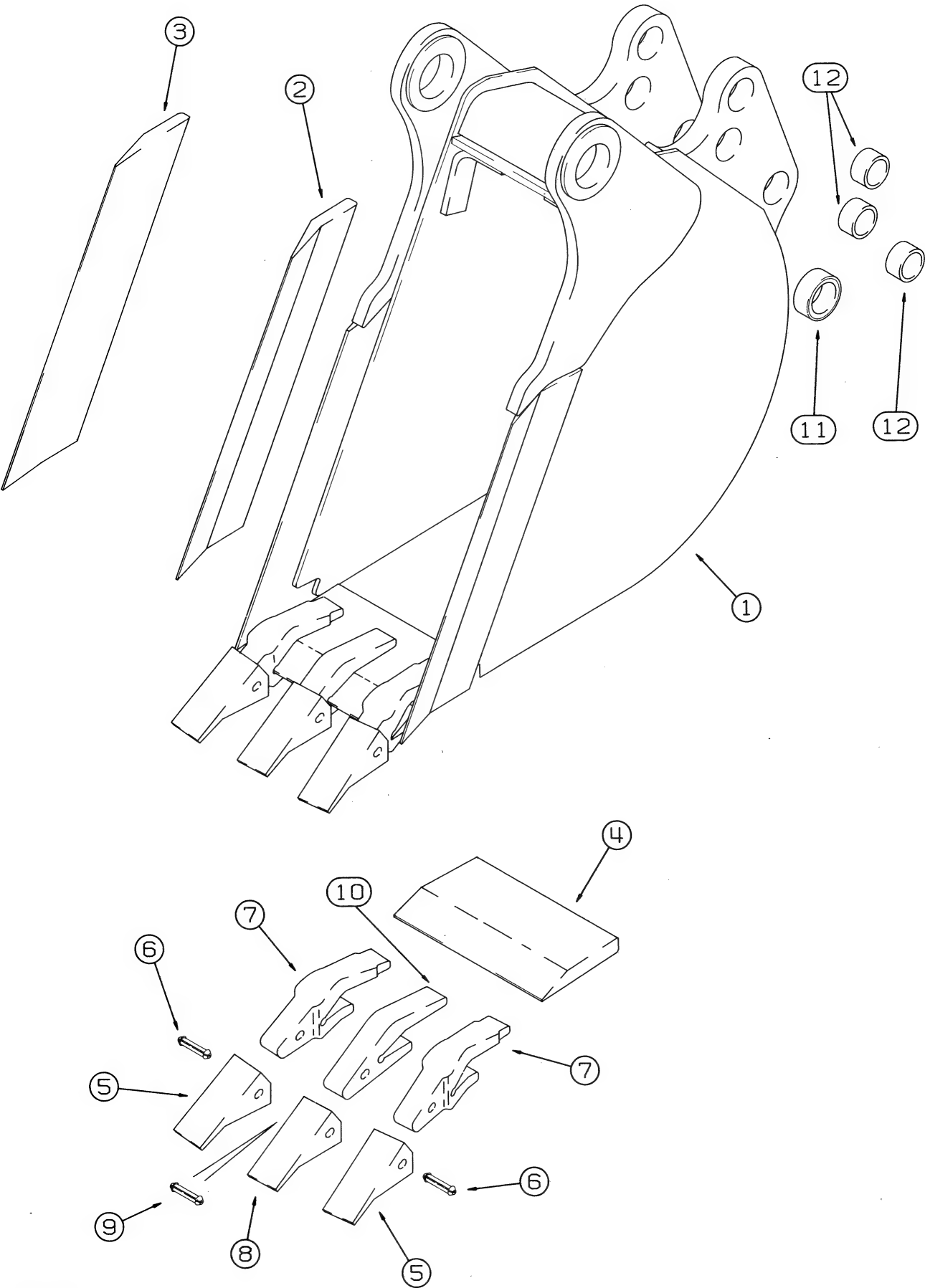
REF.	PART NO.	DESCRIPTION	REQD.
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18 INCH (457 MM) WIDE TRENCHING BUCKETS AND TEETH

1	D139795	BUCKET ASSEMBLY - 18 inch (457 mm), with 4 teeth, machinery item, order from the Machinery Price List	1
2	D21606	EDGE - cutting, bucket, right-hand side.....	1
3	D21605	EDGE - cutting, bucket, left-hand side	1
4	D37642	EDGE - cutting, center, 18 inch (457 mm) bucket.....	1
	D41659	TOOTH ASSEMBLY - trenching bucket.....	4
5	D39093	POINT - tooth.....	1
6	D39094	PIN - flex, point.....	1
7	NSS	SHANK - tooth	1
8	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch.....	2
9	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch.....	4

24 INCH (610 MM) WIDE TRENCHING BUCKETS AND TEETH

1	D139796	BUCKET ASSEMBLY - 24 inch (610 mm), with 5 teeth, not shown, machinery item, order from the Machinery Price List.....	1
2	D21606	EDGE - cutting, bucket, right-hand side.....	1
3	D21605	EDGE - cutting, bucket, left-hand side	1
4	D37507	EDGE - cutting, center, 24 inch (610 mm) bucket.....	1
	D41659	TOOTH ASSEMBLY - trenching bucket.....	5
5	D39093	POINT - tooth.....	1
6	D39094	PIN - flex, point.....	1
7	NSS	SHANK - tooth	1
8	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch.....	2
9	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch.....	4



580 Super K Construction King Loader Backhoe
UNIVERSAL BACKHOE BUCKET
12 INCH (305 MM) WIDE

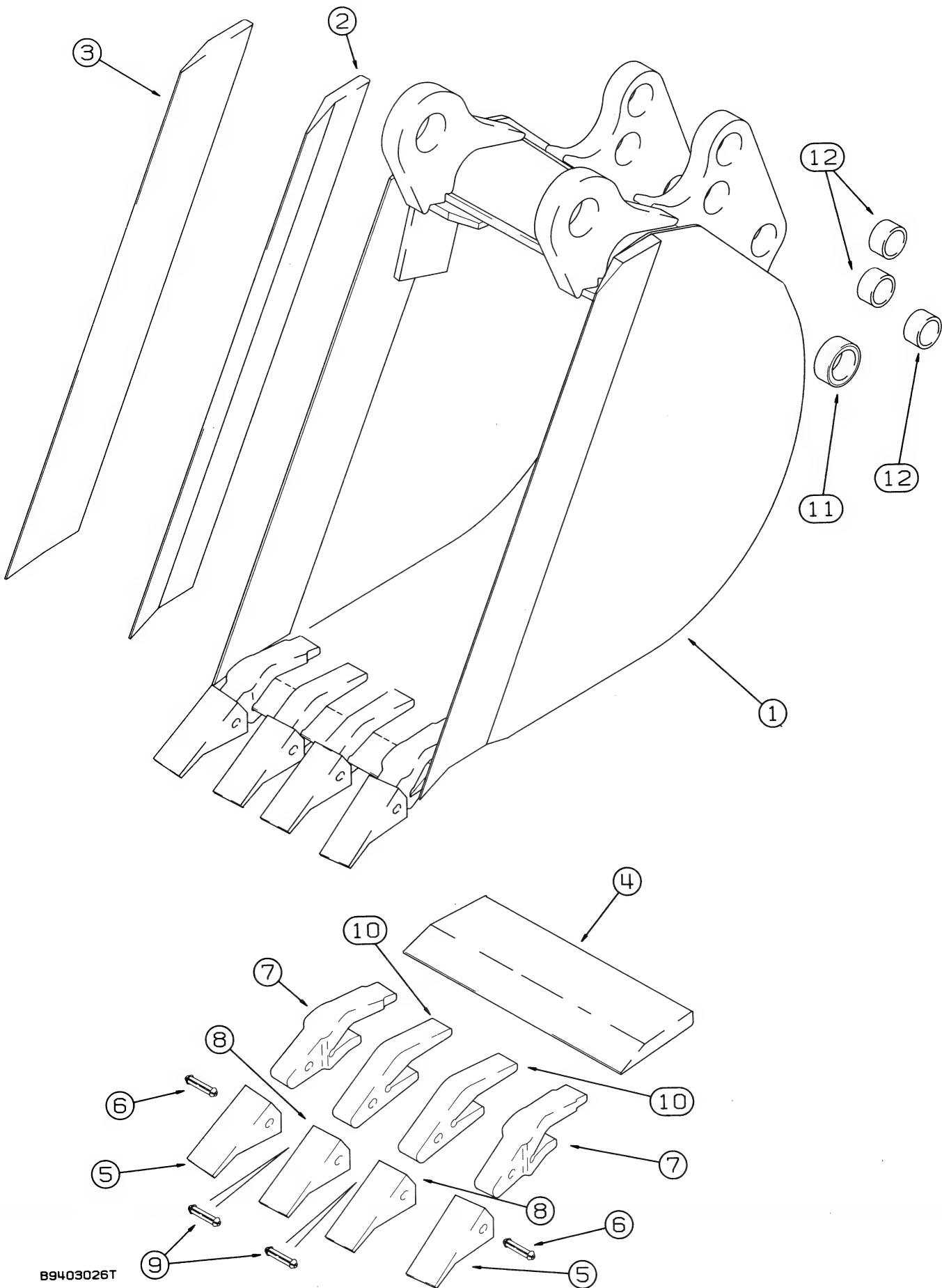
9-57

REF. PART NO.	DESCRIPTION	REQD.
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12 INCH (305 MM) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	*D147418	BUCKET ASSEMBLY - 12 inch (305 mm), with 3 teeth, machinery item, order from the Machinery Price List	1
2	D147411	EDGE - cutting, bucket, right-hand side.....	1
3	D147410	EDGE - cutting, bucket, left-hand side	1
4	D147409	EDGE - cutting, center, 12 inch (305 mm) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners	1
6	D134686	PIN - flex, outer point and shank	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	1
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D40243	BUSHING - 1-3/4 ID x 2-1/2 OD x 3/4 inch long.....	2
12	D30933	BUSHING - 1-1/2 ID x 1-7/8 OD x 1-1/4 inch long	6

***NOTE:** See item 39 on page 9-47 for pin used on 12 inch Universal bucket.



580 Super K Construction King Loader Backhoe
UNIVERSAL BACKHOE BUCKETS
16 INCH (406 MM) AND 18 INCH (457 MM) WIDE

9-59

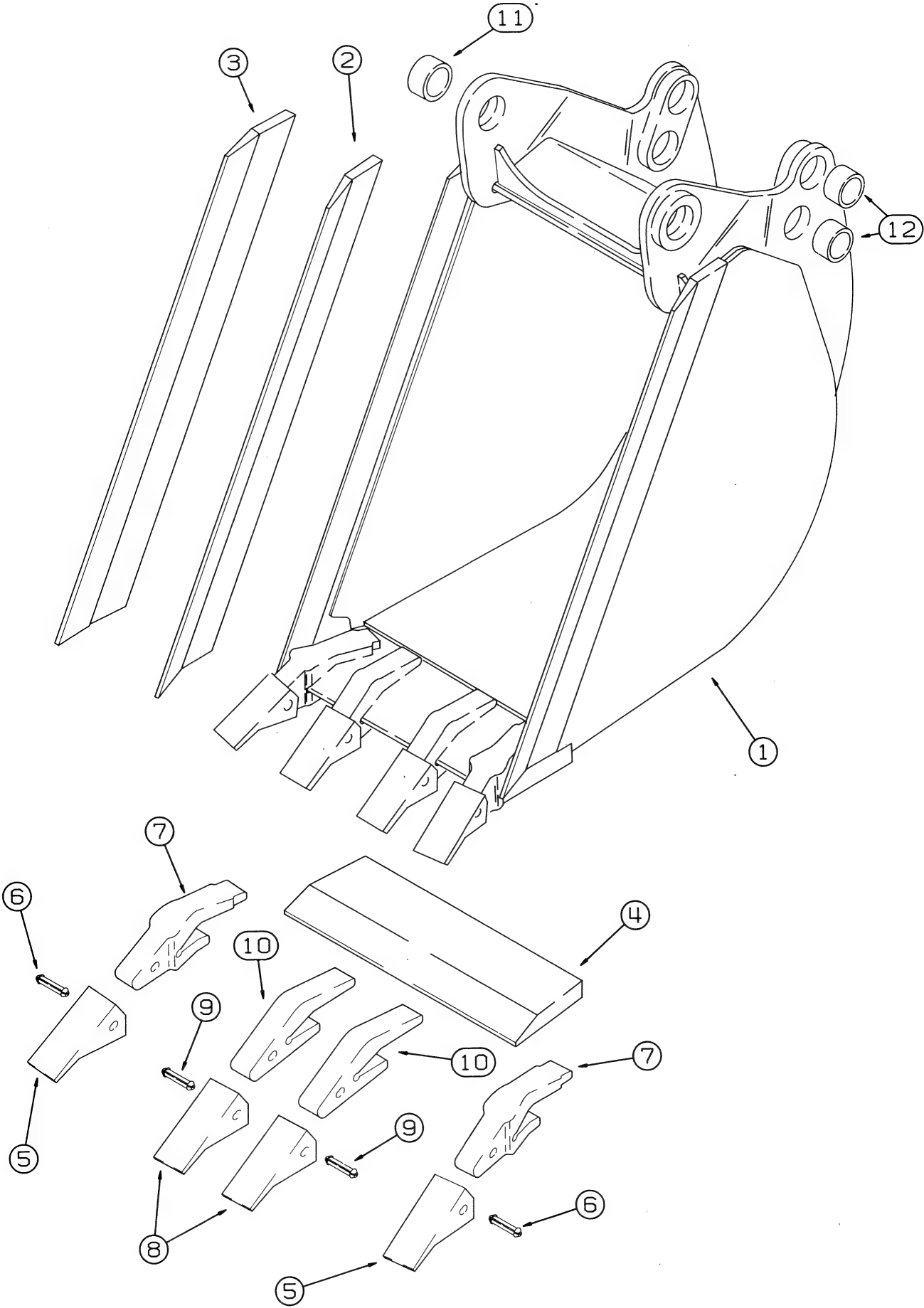
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16 INCH (406 MM) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	D147247	BUCKET ASSEMBLY - 16 inch (406 mm), with 3 teeth, not shown, machinery item, order from the Machinery Price List.....	1
2	D146421	EDGE - cutting, bucket, right-hand side.....	1
3	D146420	EDGE - cutting, bucket, left-hand side.....	1
4	D147249	EDGE - cutting, center, 16 inch (406 mm) bucket.....	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners.....	1
6	D134686	PIN - flex, outer point and shank.....	1
7	D138157	SHANK - tooth, outer corners.....	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	1
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch.....	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch.....	6

18 INCH (457 MM) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	D146588	BUCKET ASSEMBLY - 18 inch (457 mm), with 4 teeth, machinery item, order from the Machinery Price List.....	1
2	D146421	EDGE - cutting, bucket, right-hand side.....	1
3	D146420	EDGE - cutting, bucket, left-hand side.....	1
4	D145060	EDGE - cutting, center, 18 inch (457 mm) bucket.....	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners.....	1
6	D134686	PIN - flex, outer point and shank.....	1
7	D138157	SHANK - tooth, outer corners.....	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	2
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch.....	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch.....	6



BACKHOE BUCKETS**18 INCH (457 MM) WIDE AND 24 INCH (610 MM) WIDE**

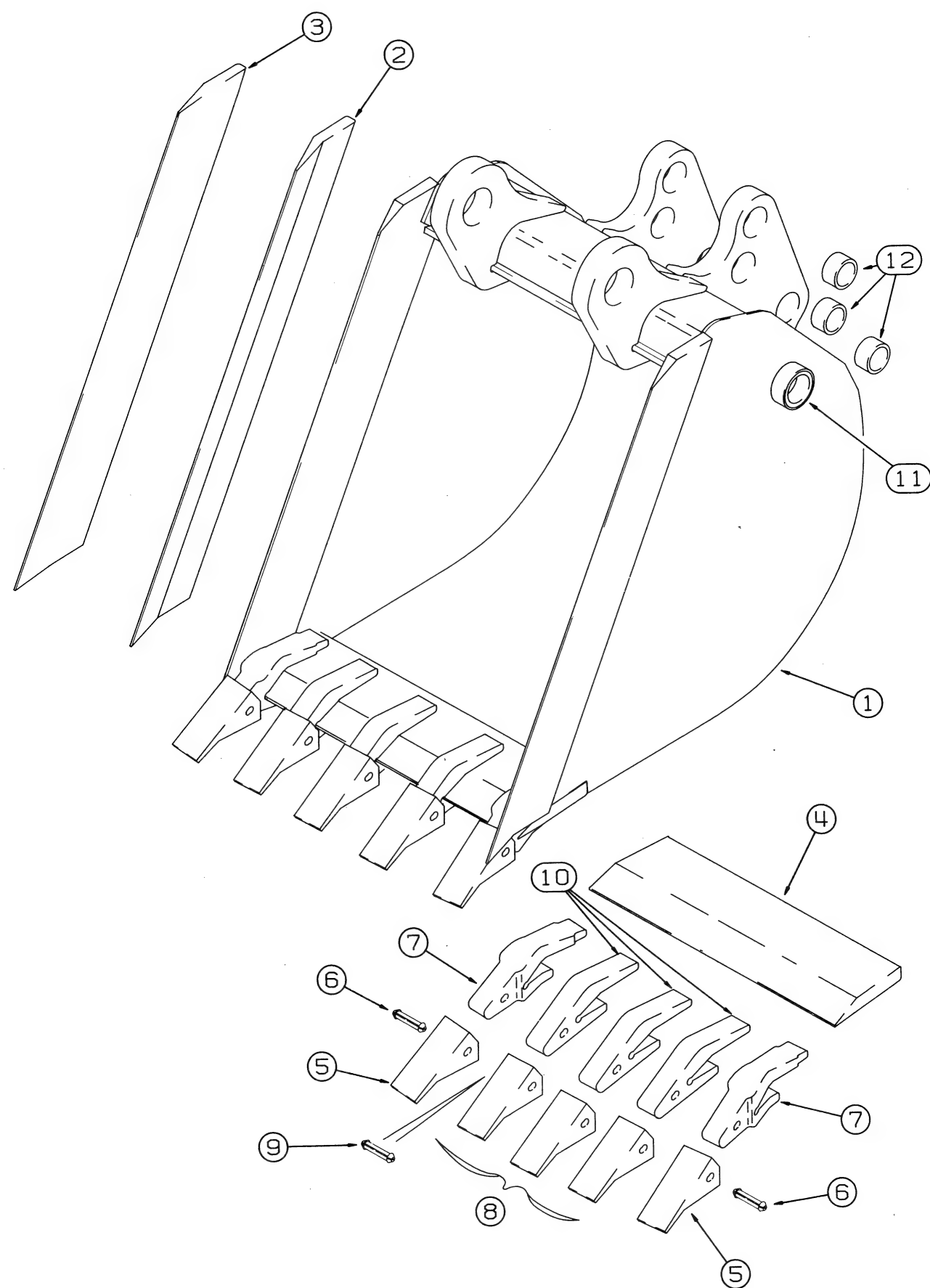
REF.	PART NO.	DESCRIPTION	REQD.
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18 INCH (457 MM) WIDE TRENCHING BUCKETS AND TEETH - HEAVY DUTY

1	D145050	BUCKET ASSEMBLY - 18 inch (457 mm), with 4 teeth, machinery item, order from the Machinery Price List, also see page 9-59 for 18 inch Universal bucket.....	1
2	D134982	EDGE - cutting, bucket, right-hand side.....	1
3	D134983	EDGE - cutting, bucket, left-hand side.....	1
4	D145060	EDGE - cutting, center, 18 inch (457 mm) bucket.....	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners.....	1
6	D134686	PIN - flex, outer point and shank.....	1
7	D138157	SHANK - tooth, outer corners.....	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	2
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D37495	BUSHING - 1-3/4 ID x 2-1/2 OD x 1-1/4 inch.....	2
12	D30933	BUSHING - 1-1/2 ID x 1-7/8 OD x 1-1/4 inch.....	4

24 INCH (610 MM) WIDE TRENCHING BUCKETS AND TEETH - HEAVY DUTY

1	D145051	BUCKET ASSEMBLY - 24 inch (610 mm), with 5 teeth, not shown, machinery item, order from the Machinery Price List, also see page 9-63 for 24 inch Universal bucket.....	1
2	D134982	EDGE - cutting, bucket, right-hand side.....	1
3	D134983	EDGE - cutting, bucket, left-hand side.....	1
4	D142012	EDGE - cutting, center, 24 inch (610 mm) bucket.....	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners.....	1
6	D134686	PIN - flex, outer point and shank.....	1
7	D138157	SHANK - tooth, outer corners.....	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	3
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D37495	BUSHING - 1-3/4 ID x 2-1/2 OD x 1-1/4 inch.....	2
12	D30933	BUSHING - 1-1/2 ID x 1-7/8 OD x 1-1/4 inch.....	4



580 Super K Construction King Loader Backhoe
UNIVERSAL BACKHOE BUCKETS
24 INCH (610 MM) AND 30 INCH (762 MM) WIDE

9-63

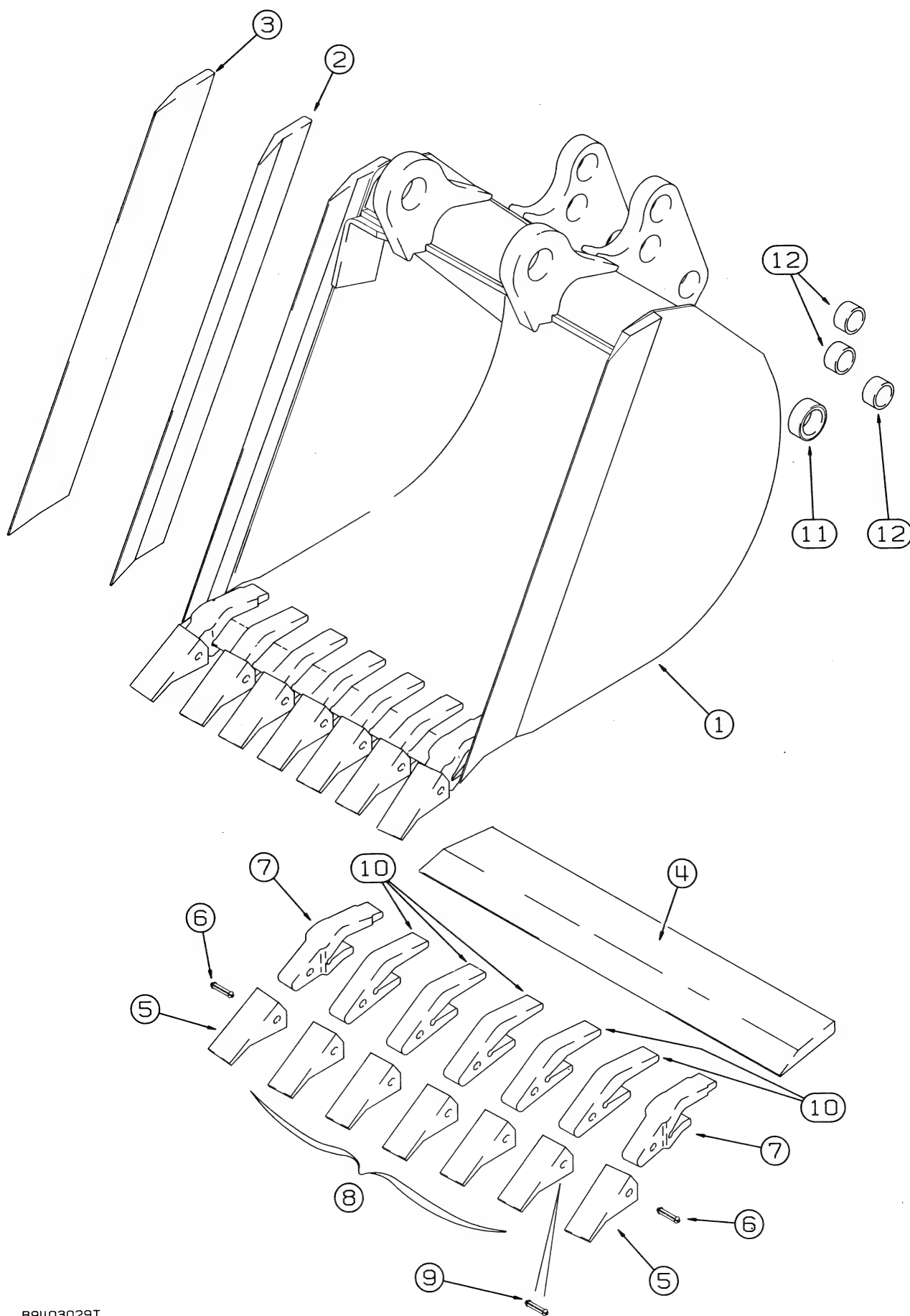
REF.	PART NO.	DESCRIPTION	REQ'D.
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24 INCH (610 MM) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	D150348	BUCKET ASSEMBLY - 24 inch (610 mm), with 5 teeth, machinery item, order from the Machinery Price List (replaces D146355 bucket).....	1
2	D146421	EDGE - cutting, bucket, right-hand side.....	1
3	D146420	EDGE - cutting, bucket, left-hand side.....	1
4	D142012	EDGE - cutting, center, 24 inch (610 mm) bucket.....	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners.....	1
6	D134686	PIN - flex, outer point and shank.....	1
7	D138157	SHANK - tooth, outer corners.....	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	3
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch.....	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch.....	6

30 INCH (762 MM) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

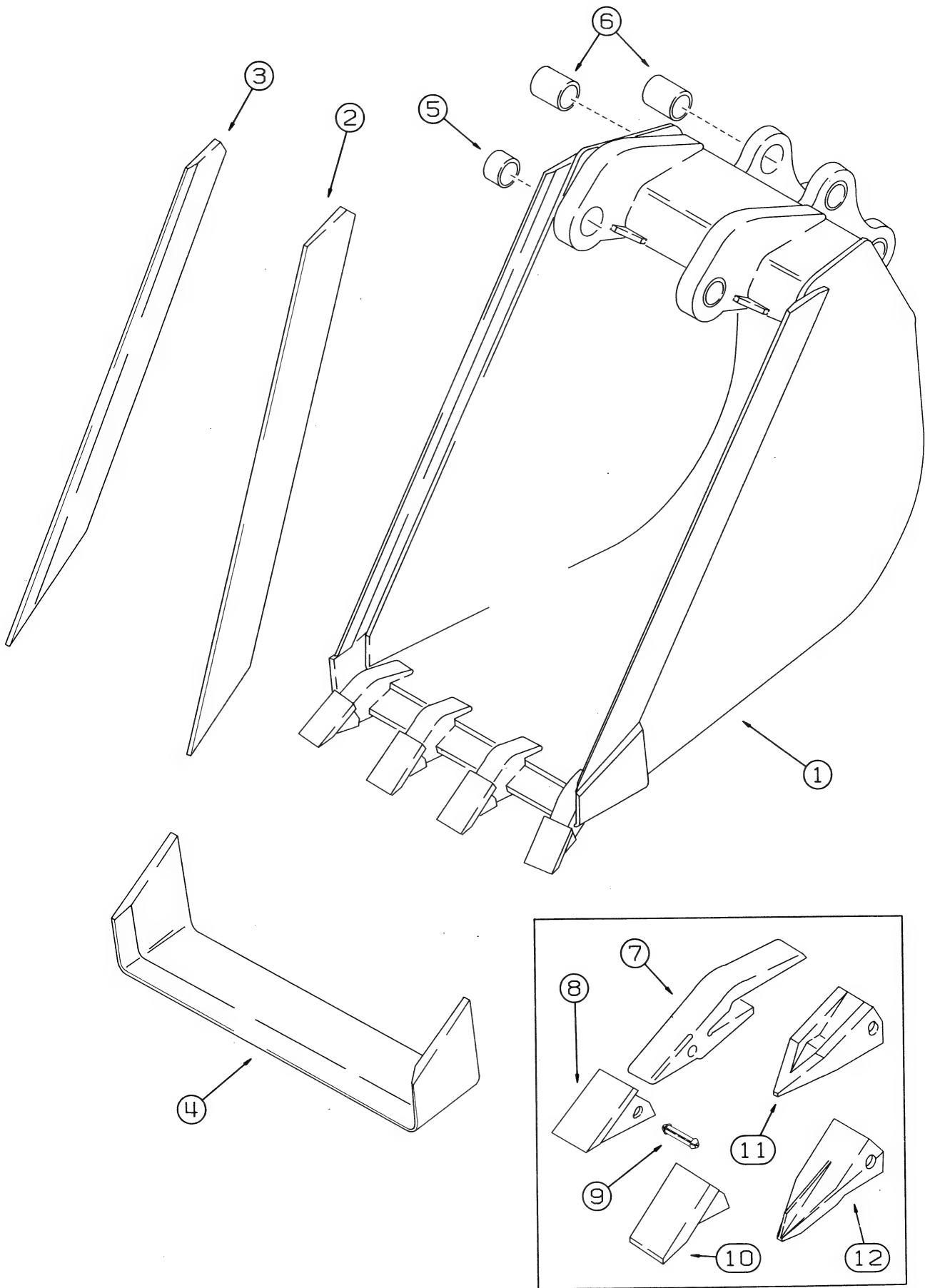
1	D150364	BUCKET ASSEMBLY - 30 inch (762 mm), with 5 teeth, not shown, machinery item, order from the Machinery Price List (replaces D147350 bucket).....	1
2	D146421	EDGE - cutting, bucket, right-hand side.....	1
3	D146420	EDGE - cutting, bucket, left-hand side.....	1
4	D145061	EDGE - cutting, center, 30 inch (762 mm) bucket.....	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners.....	1
6	D134686	PIN - flex, outer point and shank.....	1
7	D138157	SHANK - tooth, outer corners.....	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	3
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch.....	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch.....	6



580 Super K Construction King Loader Backhoe
UNIVERSAL BACKHOE BUCKETS
36 INCH (914 MM) WIDE

9-65

REF.	PART NO.	DESCRIPTION	REQD.
36 INCH (914 MM) WIDE TRENCHING BUCKETS AND TEETH - HEAVY DUTY			
1	D150365	BUCKET ASSEMBLY - 36 inch (914 mm), with 7 teeth, machinery item, order from the Machinery Price List (replaces D147358 bucket).....	1
2	D146421	EDGE - cutting, bucket, right-hand side.....	1
3	D146420	EDGE - cutting, bucket, left-hand side.....	1
4	D145062	EDGE - cutting, center, 36 inch (914 mm) bucket.....	1
	D139851	TOOTH ASSEMBLY - outer corners.....	2
5	D39093	POINT - tooth, outer corners.....	1
6	D134686	PIN - flex, outer point and shank.....	1
7	D138157	SHANK - tooth, outer corners.....	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10).....	5
8	D51750	POINT - tooth, center.....	1
9	D134686	PIN - flex, center point and shank.....	1
10	D48212	SHANK - tooth, center.....	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch.....	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch.....	6



BACKHOE BUCKET **24 INCH (610 MM) WIDE**

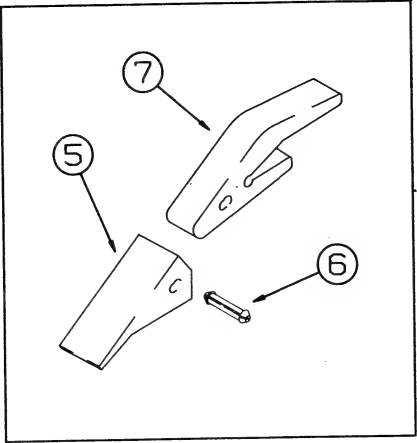
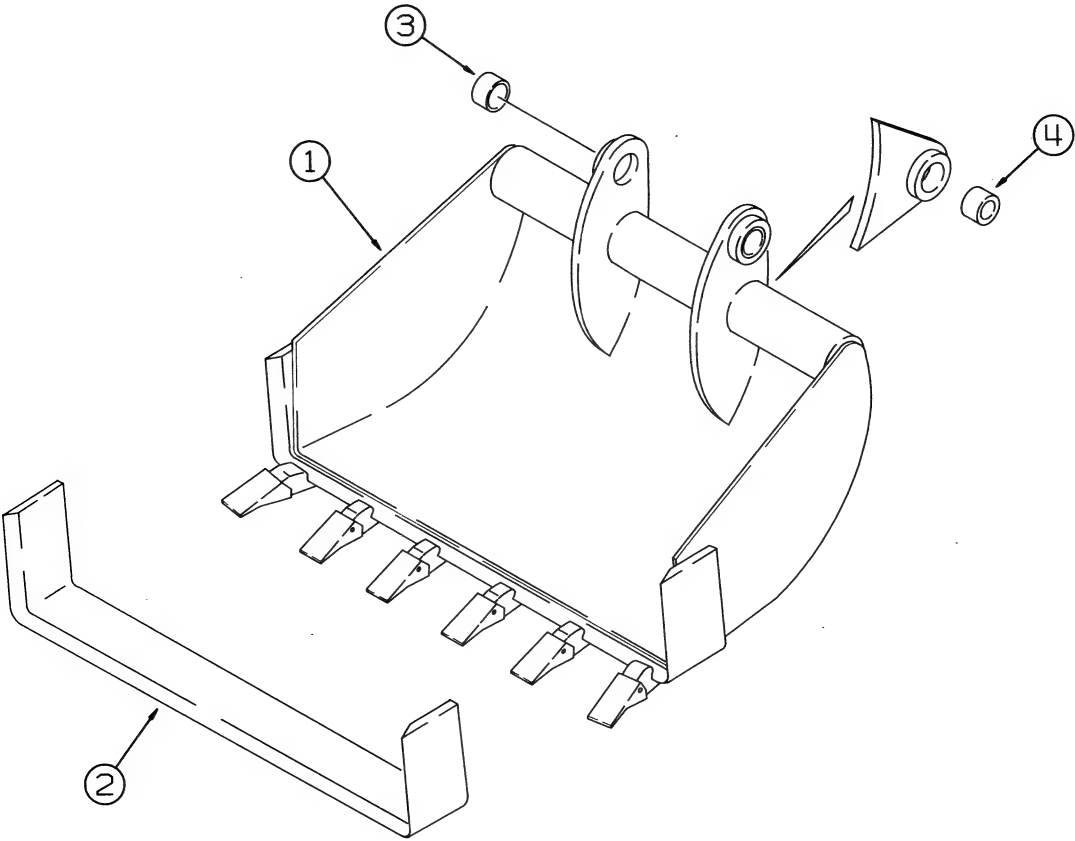
REF.	PART NO.	DESCRIPTION	REQD.
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24 INCH (610 MM) WIDE HIGH CAPACITY TRENCHING BUCKET

1	L107618	BUCKET ASSEMBLY - 24 inch (610 mm), with 4 teeth, machinery item, order from the Machinery Price List	1
2	L70084	EDGE - cutting, bucket, right-hand side.....	1
3	L70083	EDGE - cutting, bucket, left-hand side	1
4	D41673	EDGE - cutting, bucket, center	1
5	D37495	BUSHING - bucket, at dipper	2
6	D30933	BUSHING - bucket, at bucket links	4
	L43266	TOOTH ASSEMBLY - high capacity bucket	4
7	NSS	SHANK - tooth	1
8	D39093	POINT - tooth.....	1
9	D39094	PIN - flex, point	1

OPTIONAL BUCKET TEETH

10	D44193	POINT - tooth, heavy duty, flat end, service option	UAR
11	D80119	POINT - tooth, heavy duty, pointed end, service option.....	UAR
12	D79100	POINT - tooth, heavy duty, star point, service option	UAR

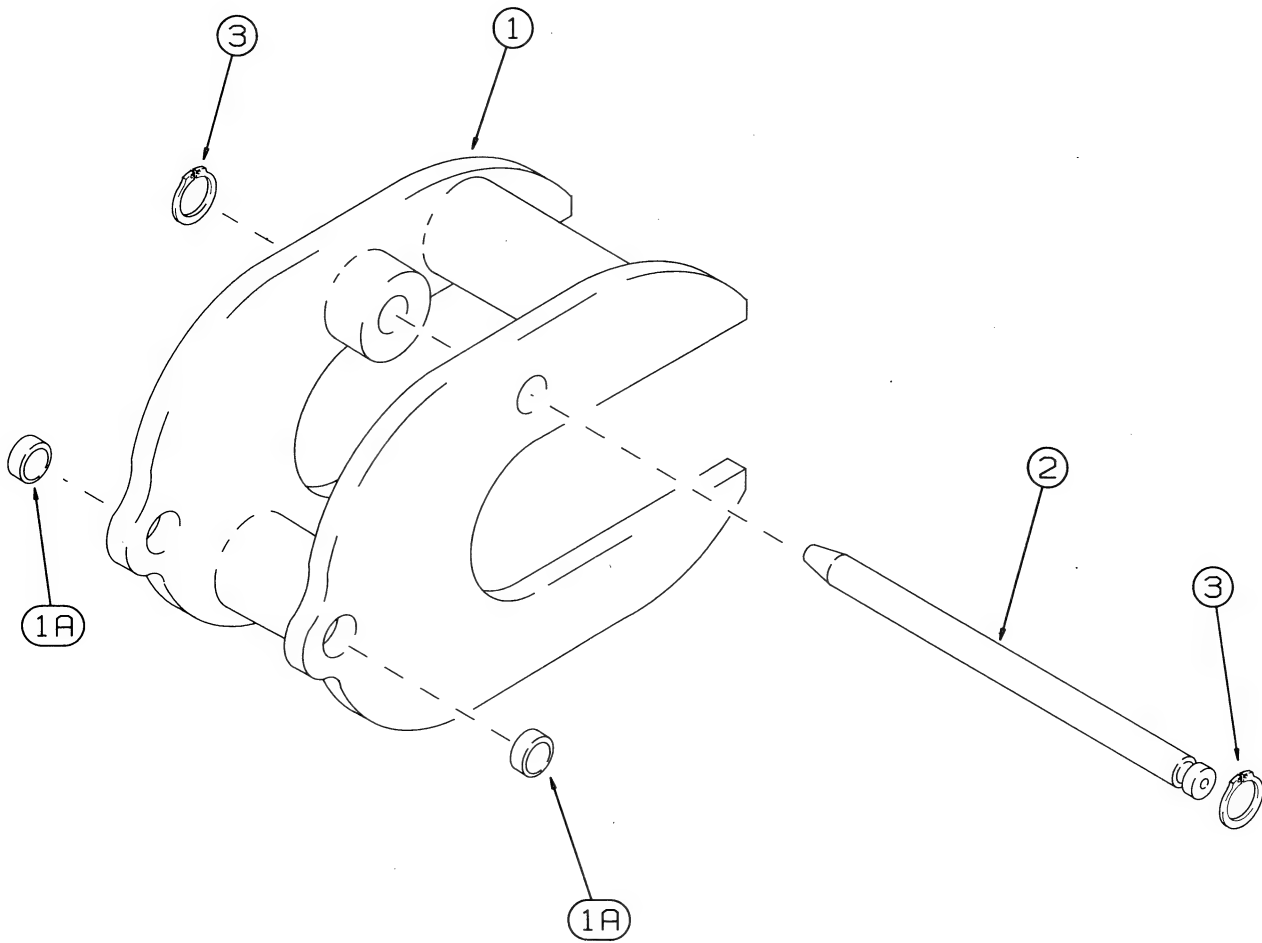


BACKHOE BUCKET**36 INCH (914 MM) WIDE**

REF.	PART NO.	DESCRIPTION	REQD.
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COMBINATION BELLHOLE AND GRAVEYARD BUCKET

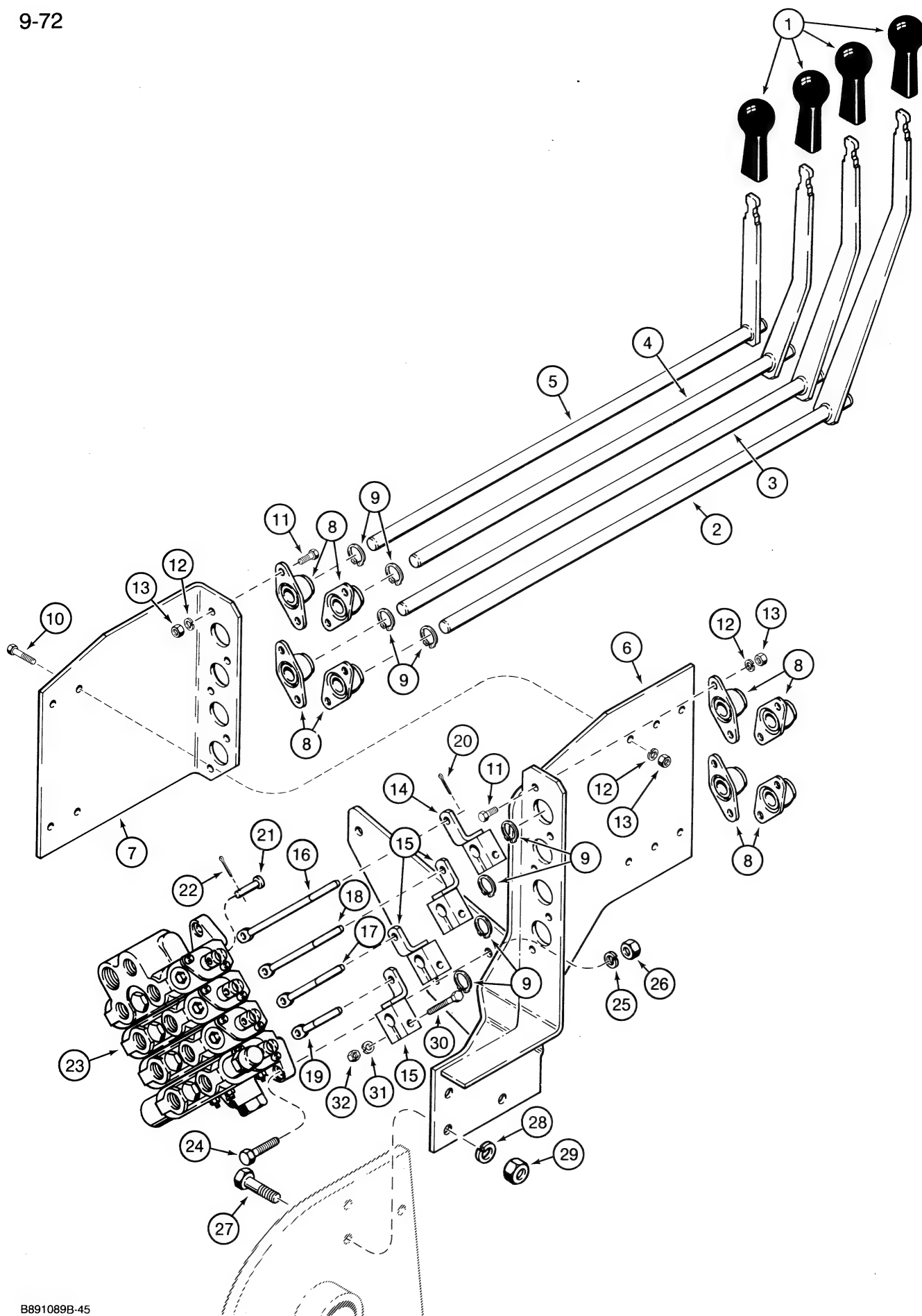
1	D140576	BUCKET ASSEMBLY - 36 inch (914 mm), with 6 teeth, machinery item, order from the Machinery Price List	1
2	D37516	EDGE - cutting, bucket	1
3	D37495	BUSHING - bucket, at dipper, upper.....	2
4	D30933	BUSHING - bucket, at bucket link pin hole, lower	2
	D41659	TOOTH ASSEMBLY - bucket	6
5	D39093	POINT - tooth.....	1
6	D39094	PIN - flex, point	1
7	NSS	SHANK - tooth	1



580 Super K Construction King Loader Backhoe
CONCRETE BREAKER FORK

9-71

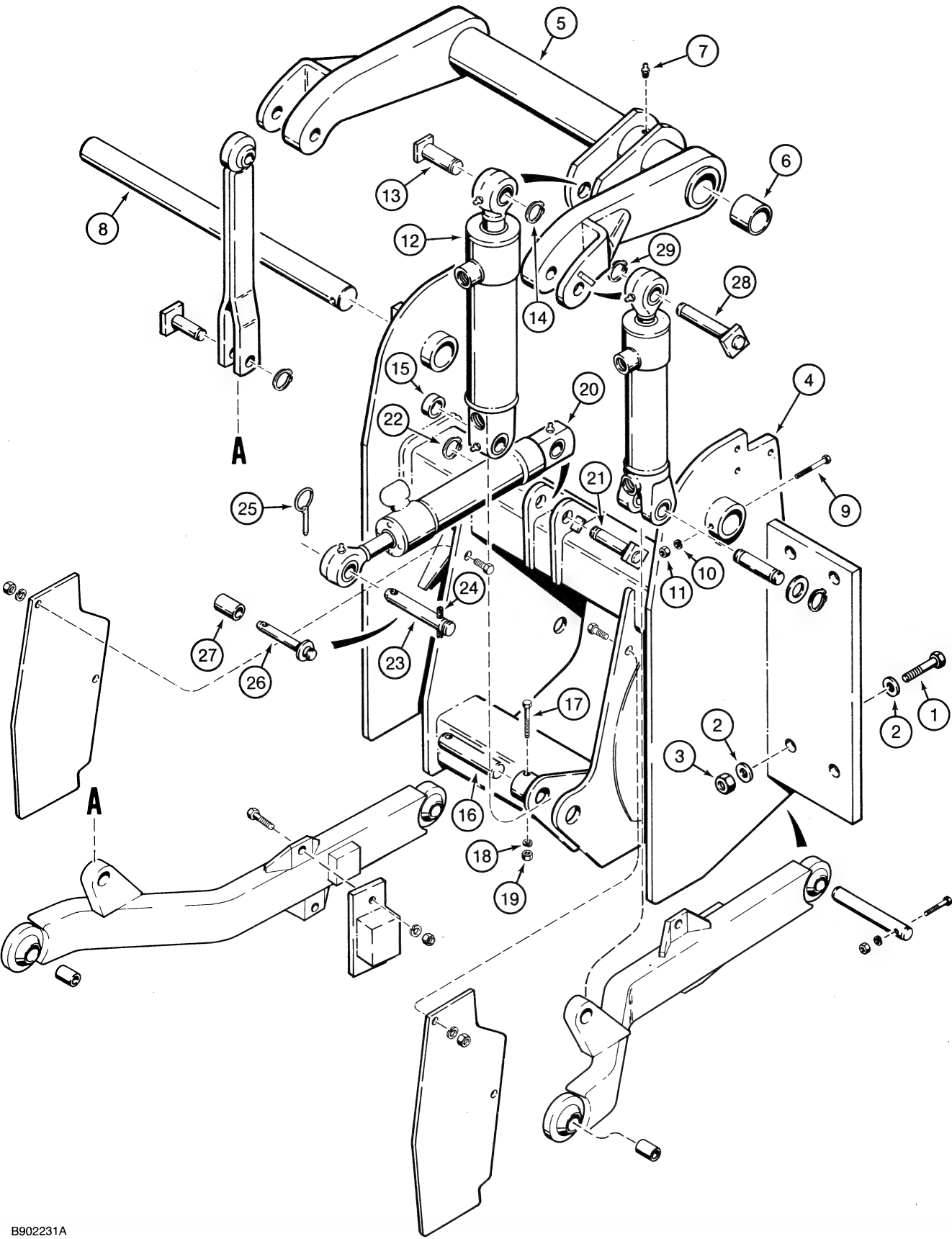
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D140080	FORK - concrete breaker.....	1
1A	D52521	BUSHING - fork.....	2
2	D37793	PIN - fork mounting.....	1
3	D25279	RING - snap, pin retaining.....	2



580 Super K Construction King Loader Backhoe THREE-POINT HITCH CONTROLS

9-73

REF.	PART NO.	DESCRIPTION	REQD.
1	D135387	KNOB - control lever.....	4
2	D149234	LEVER - lift control.....	1
3	D149233	LEVER - tilt control.....	1
4	D149232	LEVER - pitch control.....	1
5	D149231	LEVER - implement control.....	1
6	D149228	BRACKET - valve and control lever mounting.....	1
7	D149229	BRACKET - front adjustment.....	1
8	L15401	BEARING - pivot.....	8
9	100-1462	RING - snap, bearing.....	8
10	413-516	BOLT - hex, 5/16 NC x 1 inch.....	4
11	413-512	BOLT - hex, 5/16 NC x 3/4 inch.....	10
12	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch.....	14
13	425-105	NUT - hex, 5/16 inch NC.....	14
14	D143923	RETAINER - long pivot.....	1
15	D143922	RETAINER - short pivot.....	3
16	D136359	ROD - lift control, shaft to valve.....	1
17	D136358	ROD - tilt control, shaft to valve.....	1
18	D136357	ROD - pitch control, shaft to valve.....	1
19	D136356	ROD - implement control, shaft to valve.....	1
20	432-612	PIN - cotter, 3/32 x 3/4 inch.....	4
21	427-4077	PIN - clevis, 1/4 x 43/64 inch, hardened.....	4
22	432-412	PIN - cotter, 1/16 x 3/4 inch.....	4
23	D141297	VALVE ASSEMBLY - three-point hitch control, four spool, parts list page 8-105.....	1
24	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch, valve mounting.....	3
25	492-11038	WASHER - lock, 3/8 inch.....	3
26	425-106	NUT - hex, 3/8 inch NC.....	3
27	413-824	BOLT - hex, 1/2 NC x 1-1/2 inch, valve mounting bracket to three-point hitch frame.....	3
28	492-11050	WASHER - lock, 1/2 inch.....	3
29	425-108	NUT - hex, 1/2 inch NC.....	3
30	413-528	BOLT - hex, 5/16 NC x 1-3/4 inch.....	4
31	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch.....	4
32	425-105	NUT - hex, 5/16 inch NC.....	4

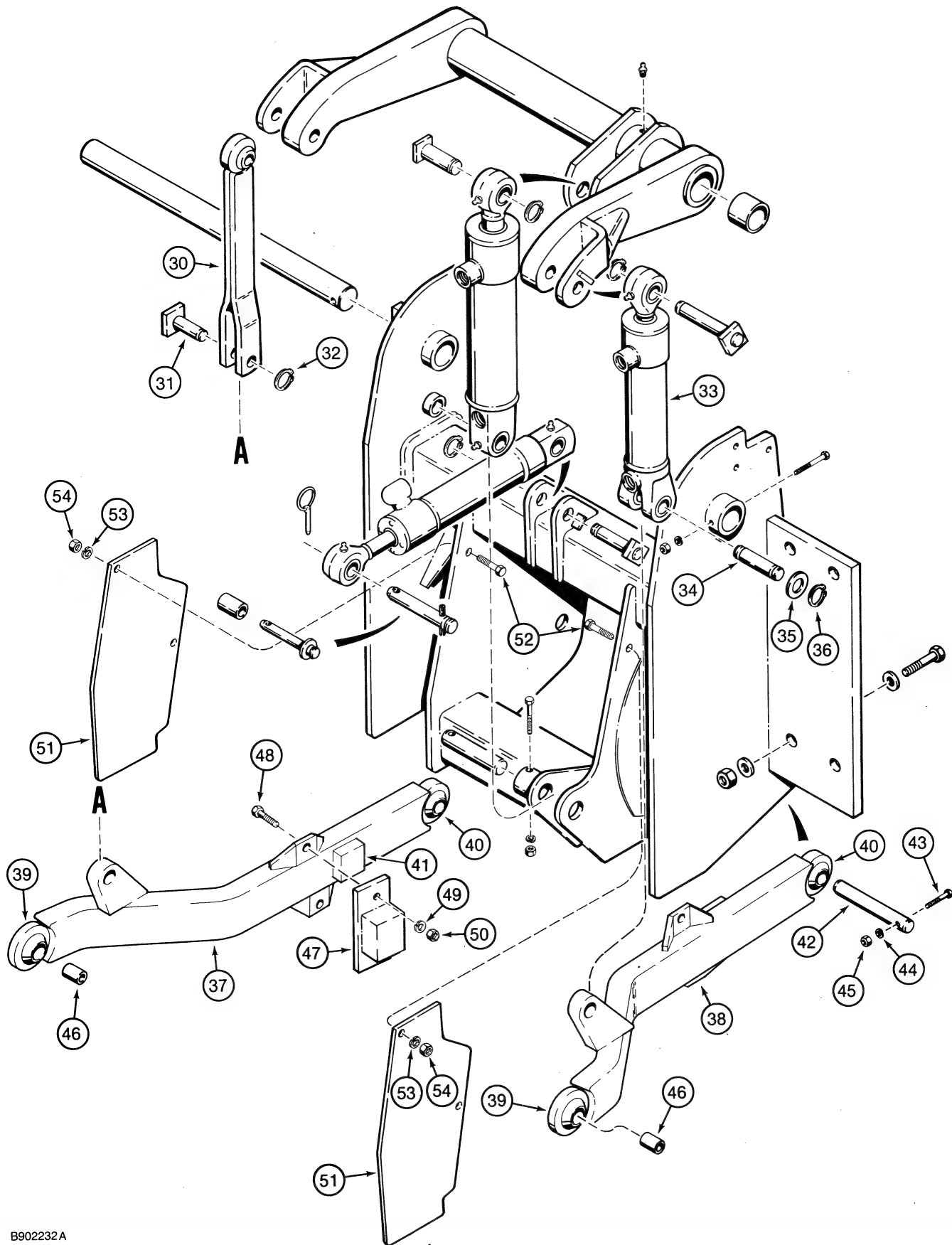


**580 Super K Construction King Loader Backhoe
THREE-POINT HITCH FRAME, DRAFT ARMS,
LINKAGE, AND CYLINDER MOUNTING**

9-75

REF.	PART NO.	DESCRIPTION	REQD.
1	326-1248	BOLT - hex, 3/4 NC x 3 inch, grade 8	8
2	D34666	WASHER - flat, 3/4 inch hardened	16
3	429-1012	NUT - hex, 3/4 inch NC, grade 8	8
4	D149215	FRAME - three-point hitch	1
5	D146067	TUBE - rockshaft.....	1
6	D50146	BUSHING - tube.....	2
7	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
8	D146070	ROCKSHAFT - three-point hitch	1
9	413-648	BOLT - hex, 3/8 NC x 3 inch	1
10	492-11038	WASHER - lock, 3/8 inch.....	1
11	425-106	NUT - hex, 3/8 inch NC	1
12	G101189	CYLINDER ASSEMBLY - lift, parts list page 8-143	1
13	D51302	PIN - mounting, lift cylinder, upper.....	1
14	103-16125	RING - snap, pin retaining	1
15	D51692	SPACER - lift cylinder mounting pin, lower	1
16	D51695	PIN - mounting, lift cylinder, lower.....	1
17	413-640	BOLT - hex, 3/8 NC x 2-1/2 inch.....	1
18	492-11038	WASHER - lock, 3/8 inch.....	1
19	425-106	NUT - hex, 3/8 inch NC	1
20	1976884C1	CYLINDER ASSEMBLY - pitch, parts list page 8-147.....	1
21	D141090	PIN - mounting, pitch cylinder at mounting frame.....	1
22	D25277	RING - snap, pin retaining	1
23	115749A1	PIN - 1 inch diameter, pitch cylinder to equipment, for use with Category II hitch, if used, replaces D140990	1
24	138-140	PIN - roll, 1/4 x 1-3/4 inch	1
25	D33805	PIN - lock.....	1
26	D141292	PIN - 3/4 inch diameter, pitch cylinder to equipment, for use with Category I hitch, if used	1
27	D141156	BUSHING - pivot, pitch cylinder rod eye, used with D141292 pin to adapt for use with Category I hitch, if used.....	1
28	D51299	PIN - mounting, tilt cylinder and strut, upper	2
29	D25277	RING - snap, pin retaining	2

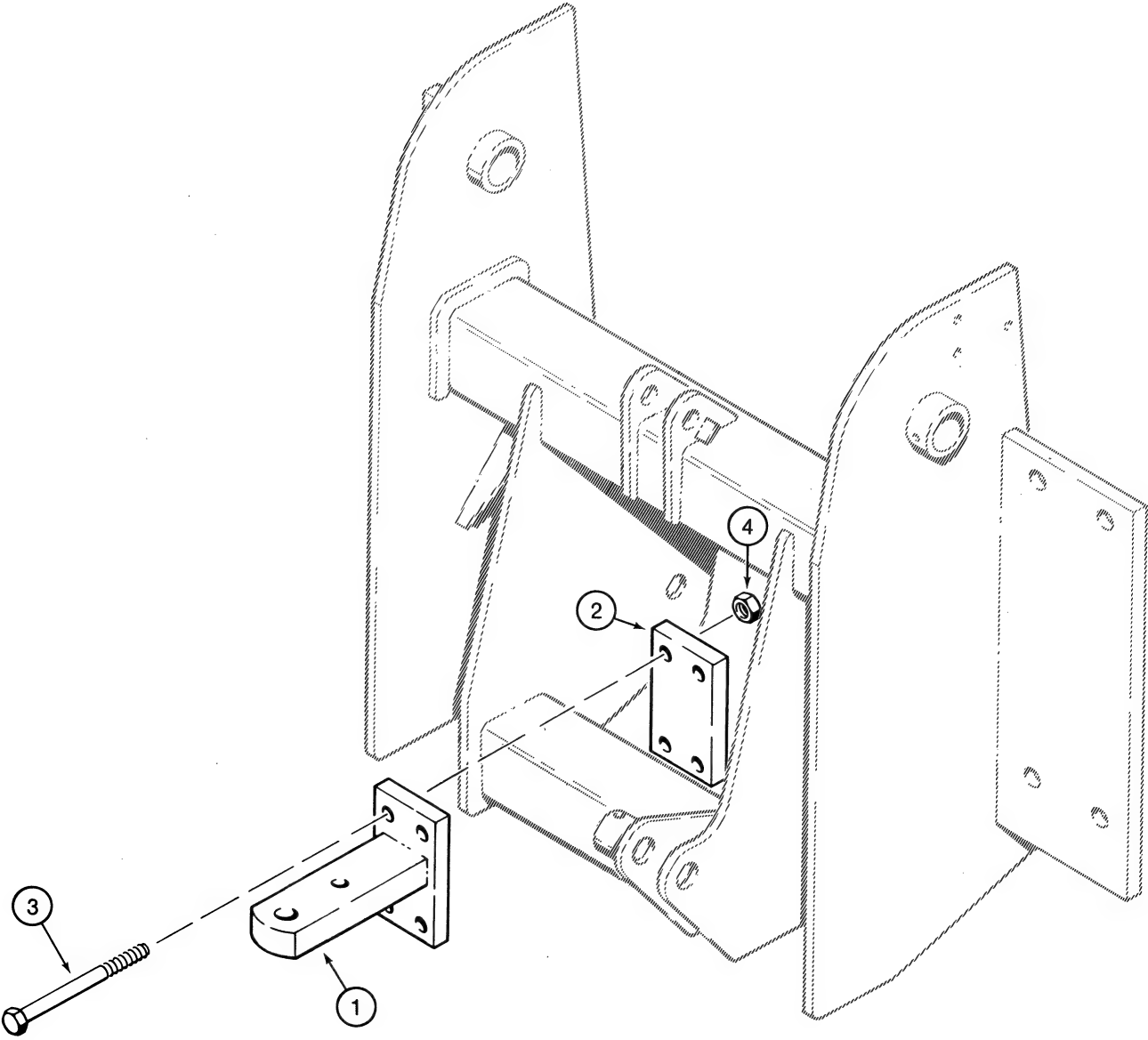
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**580 Super K Construction King Loader Backhoe
THREE-POINT HITCH, FRAME, DRAFT ARMS,
LINKAGE, AND CYLINDER MOUNTING**

9-77

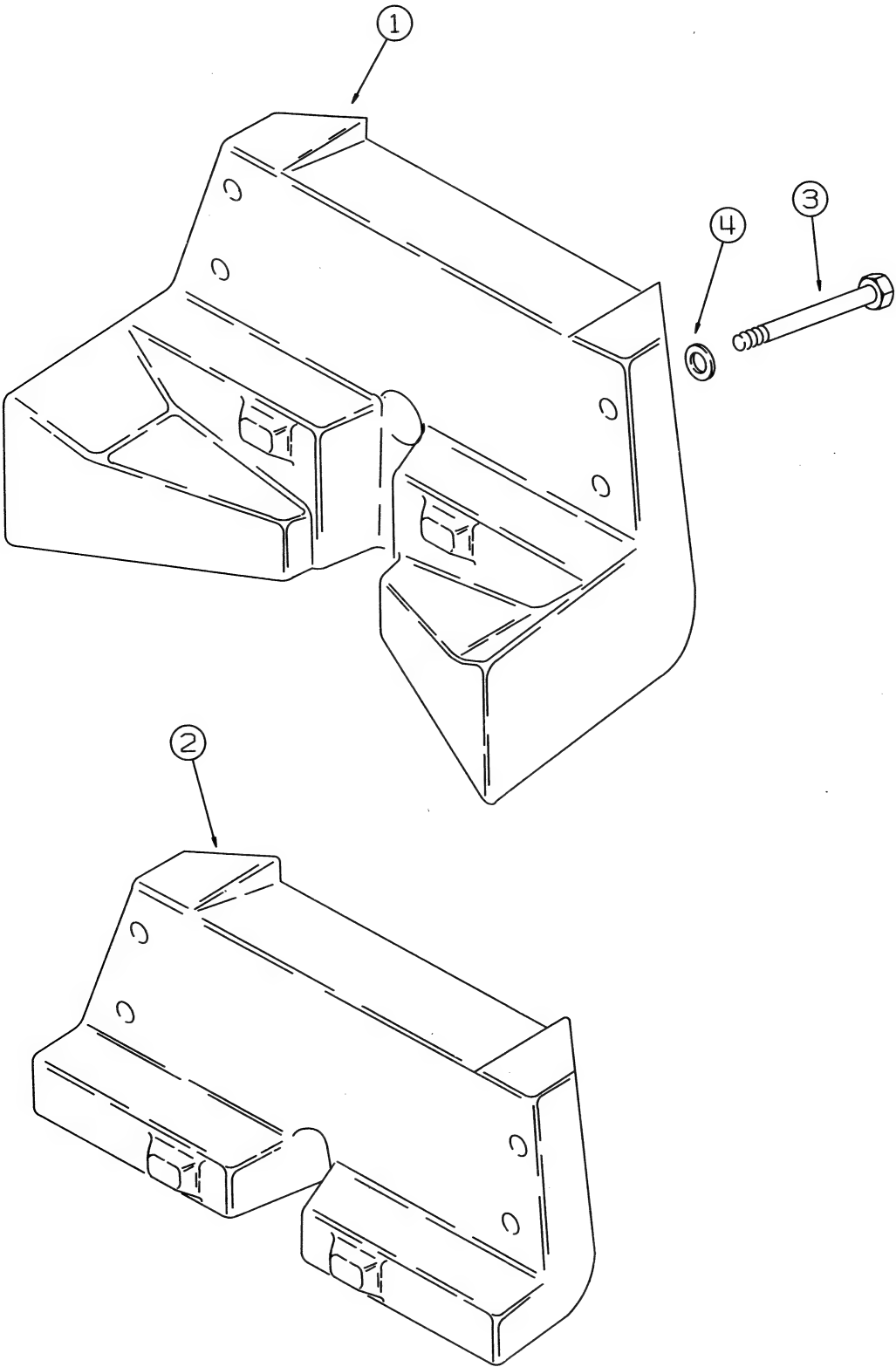
REF.	PART NO.	DESCRIPTION	REQD.
30	D51276	STRUT - stationary	1
31	D51297	PIN - mounting, strut, lower	1
32	D25277	RING - snap, pin retaining	1
33	G101188	CYLINDER ASSEMBLY - tilt, parts list page 8-145	1
34	D30609	PIN - mounting, tilt cylinder, lower	1
35	495-11106	WASHER - flat, 1-1/16 x 2 x 1/8 inch	2
36	D25277	RING - snap, pin retaining	2
37	D149514	ARM - draft, left-hand, includes items 39-41 below	1
38	D149513	ARM - draft, right-hand	1
39	H363424	BUSHING - self-aligning, 1-1/8 inch pin size	1
40	D149451	BUSHING - self-aligning, 1 inch pin size	1
41	D146073	BLOCK - wear	1
42	D146078	PIN - mounting, draft arm to mounting frame	2
43	413-640	BOLT - hex, 3/8 NC x 2-1/2 inch	2
44	492-11038	WASHER - lock, 3/8 inch	2
45	425-106	NUT - hex, 3/8 inch NC	2
46	D140991	BUSHING - draft arm to equipment, for use with Category I hitch, if used	2
47	D149156	RETAINER - sway, draft arm	2
48	413-824	BOLT - hex, 1/2 NC x 1-1/2 inch	4
49	492-11050	WASHER - lock, 1/2 inch	4
50	425-108	NUT - hex, 1/2 inch NC	4
51	D149504	PLATE - wear	2
52	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	4
53	492-11038	WASHER - lock, 3/8 inch	4
54	425-106	NUT - hex, 3/8 inch NC	4



RIGID DRAWBAR
USED WITH THREE-POINT HITCH

REF.	PART NO.	DESCRIPTION	REQD.
1	D146243	DRAWBAR - rigid, tractor.....	1
2	D136893	PLATE - mounting, replaces D73231	1
3	413-10104	BOLT - hex, 5/8 NC x 6-1/2 inch.....	4
4	425-1010	NUT - hex, 5/8 inch NC	4

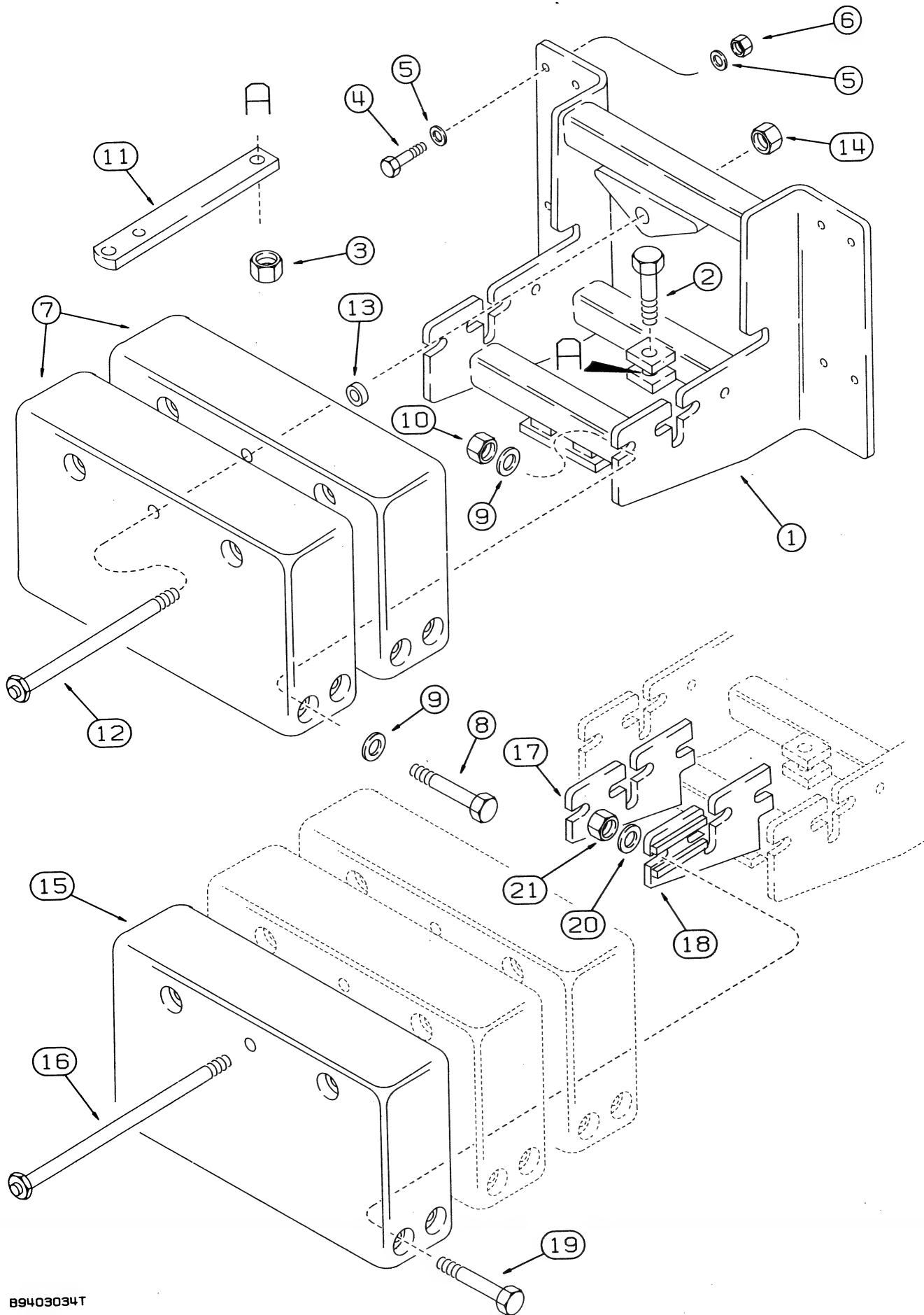
NOTE: For drawbars used on models with rear counterweight,
see page 9-83.



580 Super K Construction King Loader Backhoe
FRONT COUNTERWEIGHT

9-81

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D141716	COUNTERWEIGHT - front, 900 lbs (408 kg), not used if front pump guard is used, see page 9-87, items 10 through 12, for pump guard and mounting hardware.....	1
2	D141717	COUNTERWEIGHT - front, 400 lbs (181 kg), if used	1
3	413-1272	BOLT - hex, 3/4 NC x 4-1/2 inch.....	4
4	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened.....	4



**580 Super K Construction King Loader Backhoe
REAR COUNTERWEIGHT AND DRAWBAR**

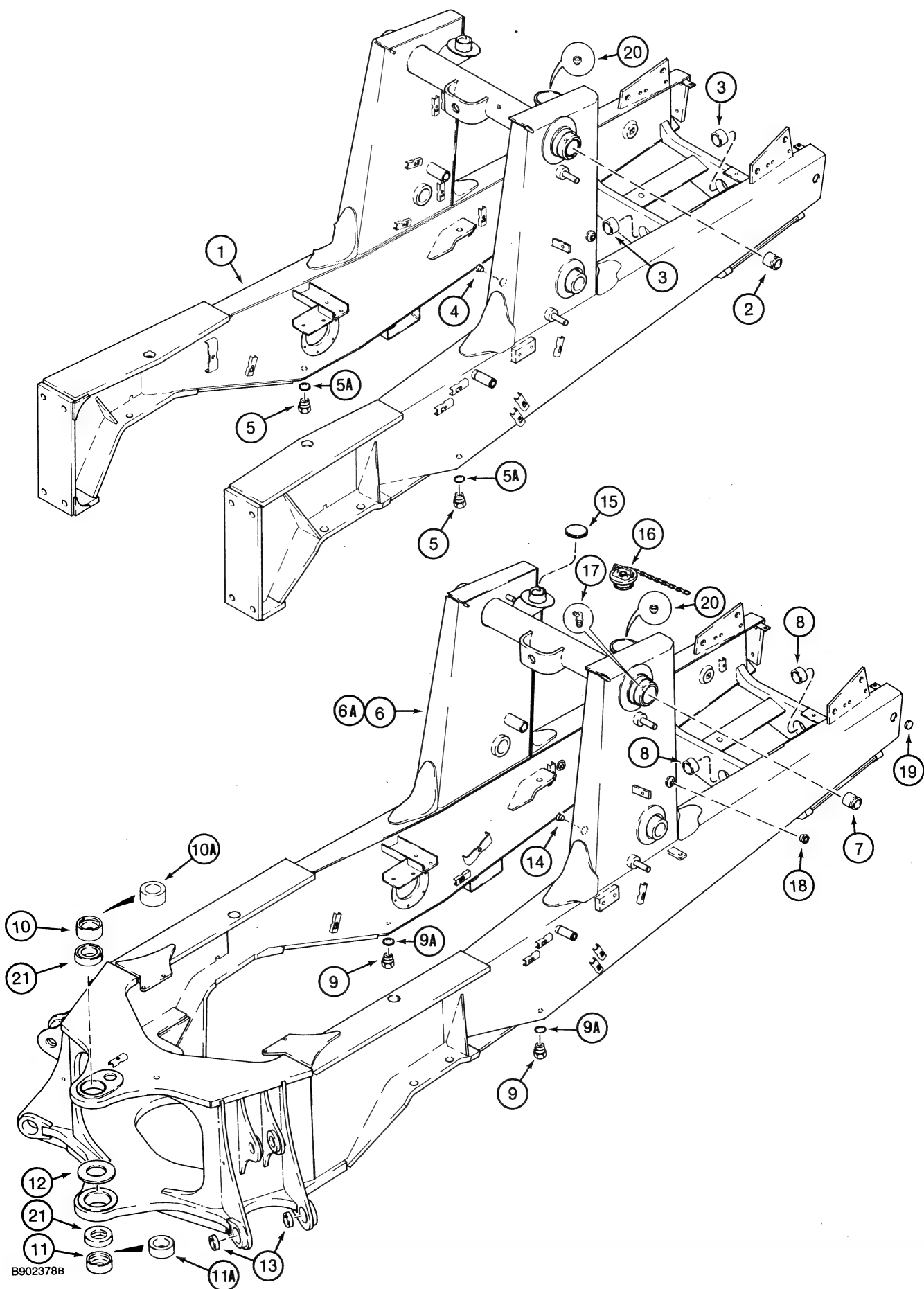
9-83

REF.	PART NO.	DESCRIPTION	REQD.
1	D136658	FRAME - rear counterweight.....	1
2	426-1880	BOLT - hex, 1-1/8 NC x 5 inch, grade 8	1
3	131-1413	NUT - light hex, self-locking, 1-1/8 inch NC.....	1
4	326-1248	BOLT - hex, 3/4 NC x 3 inch, grade 8	8
5	D34666	WASHER - flat, 3/4 inch hardened	16
6	129-572	NUT - hex, 3/4 inch NC, grade 8	8
7	D31204	COUNTERWEIGHT - rear, each 1425 lbs (646 kg)	2
8	413-16112	BOLT - hex, 1 NC x 7 inch	8
9	495-11106	WASHER - flat, 1-1/16 x 2 x 1/8 inch	16
10	425-1016	NUT - hex, 1 inch NC	8
11	D93293	DRAWBAR - tractor	1
12	D139275	BOLT - special	1
13	H62406	SPACER - counterweight	1
14	131-1412	NUT - light hex, self-locking, 1 inch NC	1

**SPECIAL PARTS USED TO MOUNT
ADDITIONAL 1400 POUND REAR COUNTERWEIGHT**

15	D31204	COUNTERWEIGHT - rear, 1425 lbs (646 kg), used with 2800 lbs rear counterweight, if used	1
16	D140548	BOLT - special	1
17	D93344	BRACKET - left-hand, additional counterweight adapter	1
18	D93345	BRACKET - right-hand, additional counterweight adapter	1
19	113-974	BOLT - hex, 1 NC x 6-3/4 inch	4
20	195-553	WASHER - flat, 1-1/16 x 2 x 1/8 inch	4
21	425-1016	NUT - hex, 1 inch NC	4

NOTE: For drawbar used on models with three-point
hitch, see page 9-79.



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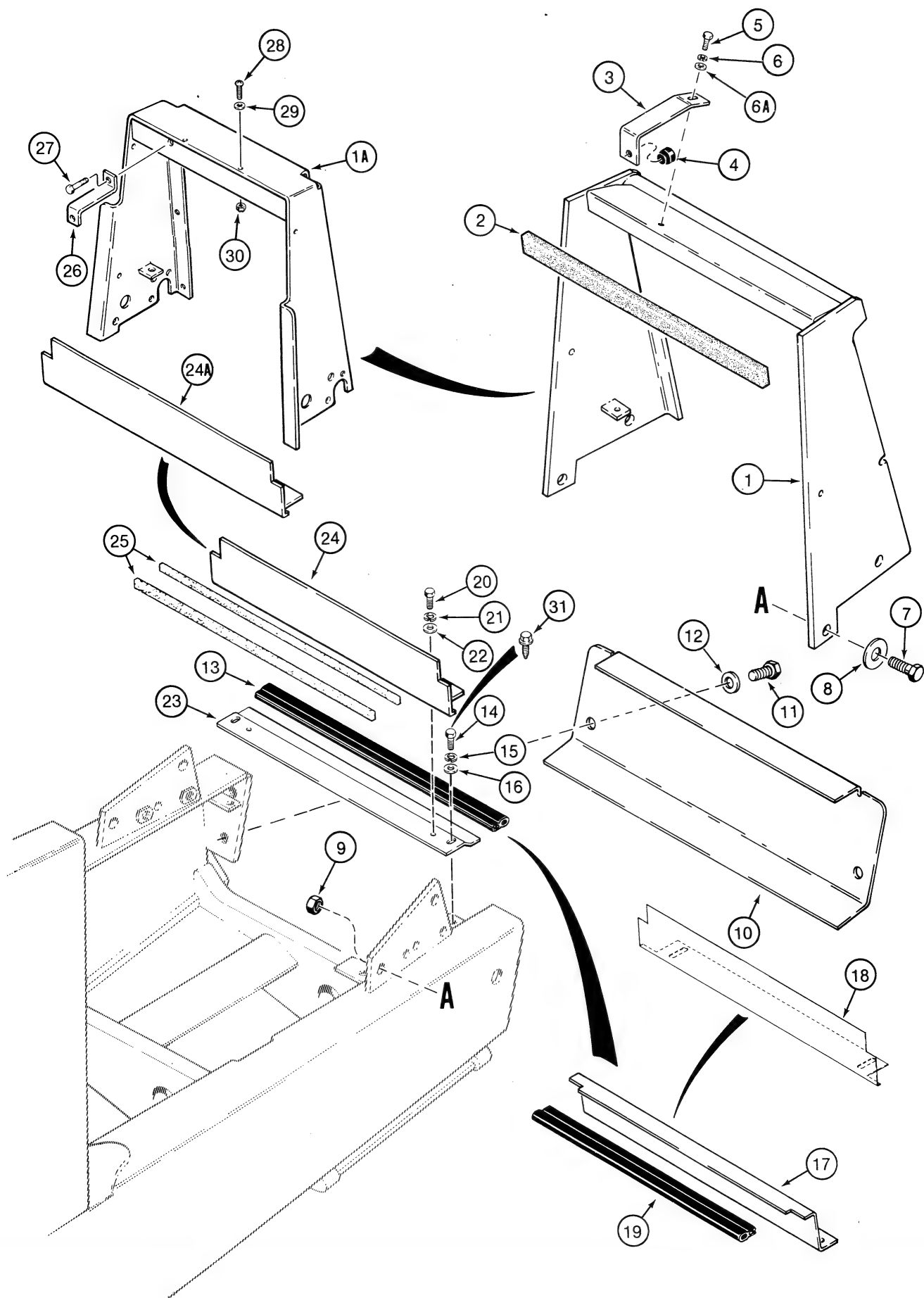
580 Super K Construction King Loader Backhoe CHASSIS

9-85

REF.	PART NO.	DESCRIPTION	REQD.
1	D150716	CHASSIS - loader models (replaces D147935)	1
2	D129061	BUSHING - loader frame pivot	2
3	D127542	BUSHING - front axle pivot	2
4	444789	PLUG - square socket, 1/2 inch PT	1
5	218-5161	PLUG - hex, 1-5/8-12 inch O-ring boss	2
5A	237-6020	O-RING - 1-15/32 ID x 1/8 inch wide	1
6	D147688	CHASSIS - loader with integral backhoe models, uses item 10, D135555, and item 11, D135556, bushings and (4) item 21, D127974, grease seals, prior to P.I.N. JYG0163952, see Note A	1
6A	D150715	CHASSIS - loader with integral backhoe, uses items 10A, D150118, and 11A, D150119, bushings without grease seals, P.I.N. JYG0163952 through JYG0169930, see Note A, no longer available, order 111607A1 chassis	1
6B	D151192	CHASSIS - loader with integral backhoe, not shown, uses item 10A, D150118, and 11A, D150119, bushings without grease seals, P.I.N. JYG0169931 through JYG0171614, see Note A, no longer available, order 111607A1 chassis	1
6C	111607A1	CHASSIS - loader with integral backhoe, not shown, uses items 10A, D150118, and 11A, D150119, bushings without grease seals, P.I.N. JYG0171615 and after, if used, see Note B	1
7	D129061	BUSHING - loader frame pivot	2
8	D127542	BUSHING - front axle pivot	2
9	218-5161	PLUG - hex, 1-5/8-12 inch O-ring boss	2
9A	237-6020	O-RING - 1-15/32 ID x 1/8 inch wide	1
10	D135555	BUSHING - upper, backhoe frame, swing tower mounting, has grease seal retaining grooves, used with (2) item 21, D127974 grease seals, D147688 chassis	1
10A	D150118	BUSHING - upper, backhoe frame, swing tower mounting, D150715, D151192, and 111607A1 chassis	1
11	D135556	BUSHING - lower, backhoe frame, swing tower mounting has grease seal retaining grooves, used with (2) item 21, D127974 grease seals, D147688 chassis	1
11A	D150119	BUSHING - lower, backhoe frame, swing tower mounting, D150715, D151192, and 111607A1 chassis	1
12	D144112	SPACER - 93 mm x 135 mm x 6 mm, bearing, welds to frame	1
13	D37495	BUSHING - lower, side, backhoe frame, at stabilizer leg mounting	4
14	221-844	PLUG - square socket, 1/2 inch PT, replaces 444789	1
15	A51390	CAP - diesel fuel reservoir, left-hand (order D93757)	1
16	D93981	CAP - hydraulic oil reservoir, right-hand	1
17	219-36	FITTING - grease, 45 degree, 1/8 PT x 7/8 inch, loader frame pivot	2
18	D63875	GAUGE - sight, hydraulic oil level	1
19	41-1020	PLUG - cup, 1-1/4 inch diameter	2
20	N8796	BREATHING - hydraulic oil fill tube	1
21	D127974	SEAL - backhoe frame, at swing tower mounting, D147688 chassis	4

NOTE A: Used with D144397 or D144409 hood on page 9-89.

NOTE B: Used with 109270A1 or 111565A1 hood on page 9-91B.



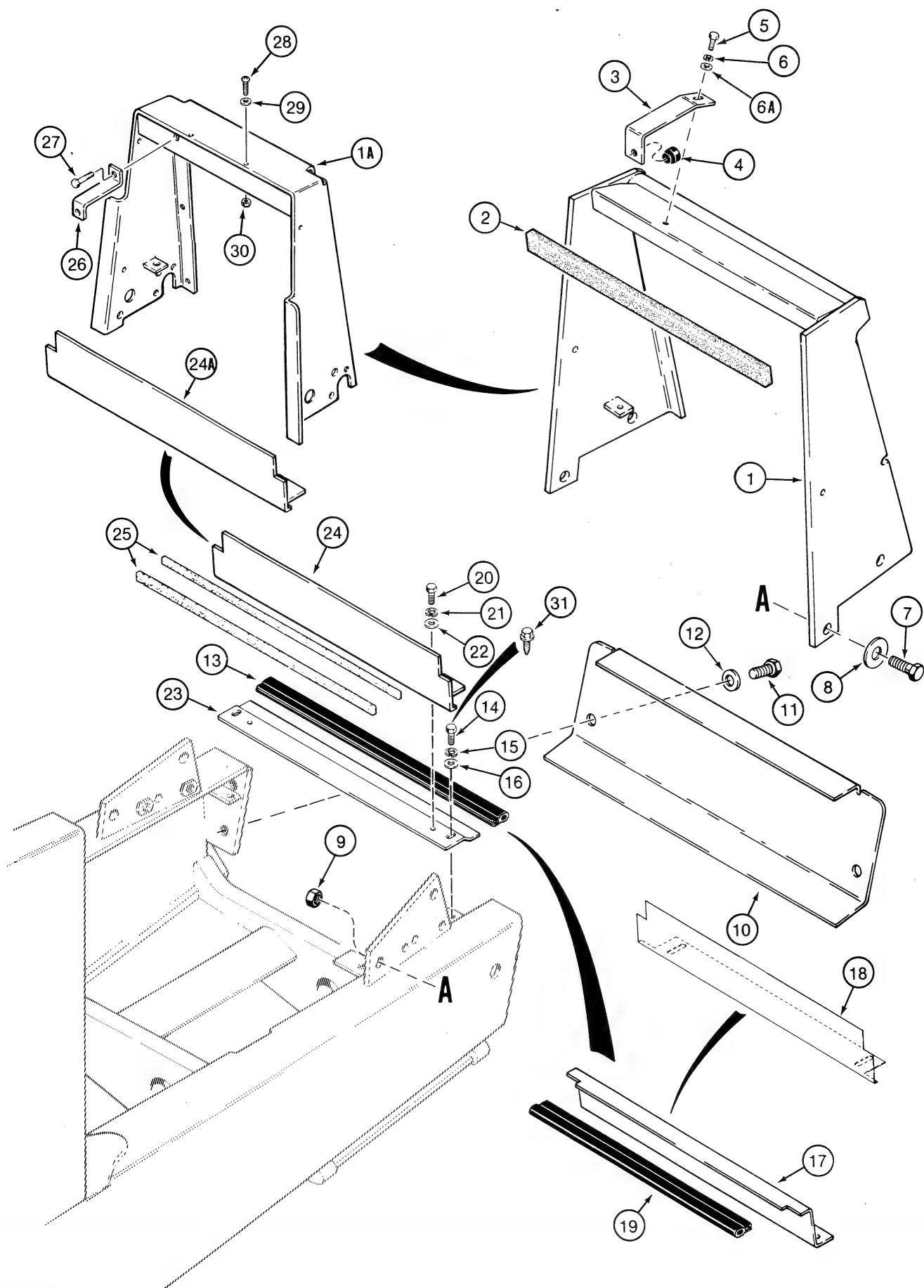
580 Super K Construction King Loader Backhoe

RADIATOR SHROUD, PUMP GUARD, AND FRONT COVERS

9-87

REF.	PART NO.	DESCRIPTION	REQD.
1	D148409	SHROUD - radiator, used with D144397 or D144409 hood on page 9-89, if used.....	1
1A	109380A1	SHROUD - radiator, used with 109270A1 or 111565A1 hood on page 9-91B, if used.....	1
2	D135947	SEAL - foam, adhesive back on one side, attaches to upper rear cross tube of shroud.....	1
3	D132477	BRACKET - radiator retaining, used with item 1 shroud, if used.....	1
4	L60224	BUMPER - rubber.....	1
5	413-512	BOLT - hex, 5/16 NC x 3/4 inch, if used.....	1
6	492-11031	WASHER - lock, 5/16 inch, if used.....	1
6A	195-521	WASHER - flat, 11/32 x 11/16 x 1/16 inch, if used.....	1
7	413-1228	BOLT - hex, 3/4 NC x 1-3/4 inch (replaces 13-1232 2 inch bolt).....	4
8	495-11081	WASHER - flat, 13/16 x 1-15/32 x 1/8 inch.....	4
9	425-1012	NUT - hex, 3/4 inch NC.....	4
10	D141011	GUARD - pump, not used on models with front counterweight.....	1
11	413-1220	BOLT - hex, 3/4 NC x 1-1/4 inch.....	2
12	495-11081	WASHER - flat, 13/16 x 1-15/32 x 1/8 inch.....	2
13	D135944	SEAL - 576 mm long, cut from F43117 bulk seal, see below, lower baffle plate, used only on models with front counterweight.....	1
14	413-512	BOLT - hex, 5/16 NC x 3/4 inch, if used.....	2
15	492-11031	WASHER - lock, 5/16 inch, if used.....	2
16	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch, if used.....	2
17	D145479	PLATE - baffle, upper, not used on models with air conditioning.....	1
18	D138355	PLATE - baffle, upper, used only on models with air conditioning, if used.....	1
19	D128489	SEAL - 496 mm long, cut from F43117 bulk seal, see below, upper baffle plate.....	1
20	413-512	BOLT - hex, 5/16 NC x 3/4 inch.....	2
21	492-11031	WASHER - lock, 5/16 inch.....	2
22	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch.....	2
23	D141013	PLATE - baffle, lower, used on models with air conditioning or models with auxiliary hydraulics for optional rear hydraulic attachments.....	1
24	D140971	PLATE - baffle, lower, used with item 25 seal and item 23 plate on models with air conditioning or models with auxiliary hydraulics for optional rear hydraulic attachments, no longer available, order 111980A1, item 24A.....	1
24A	111980A1	PLATE - baffle, lower, used with item 25 seal and item 23 plate on models with turbocharged engines on tractor P.I.N. JYG0173468 and after, on models with air conditioning or models with auxiliary hydraulics for optional rear hydraulic attachments, if used.....	1
25	D140871	SEAL - 560 mm long, cut from D126201 bulk, used with item 24 or 24A plate, 2 used on models with air conditioning, if used.....	1-2
	D126201	SEAL - 912 mm long, adhesive back, bulk.....	1
	F43117	SEAL - 100 ft (3048 cm) long, bulk.....	UAR

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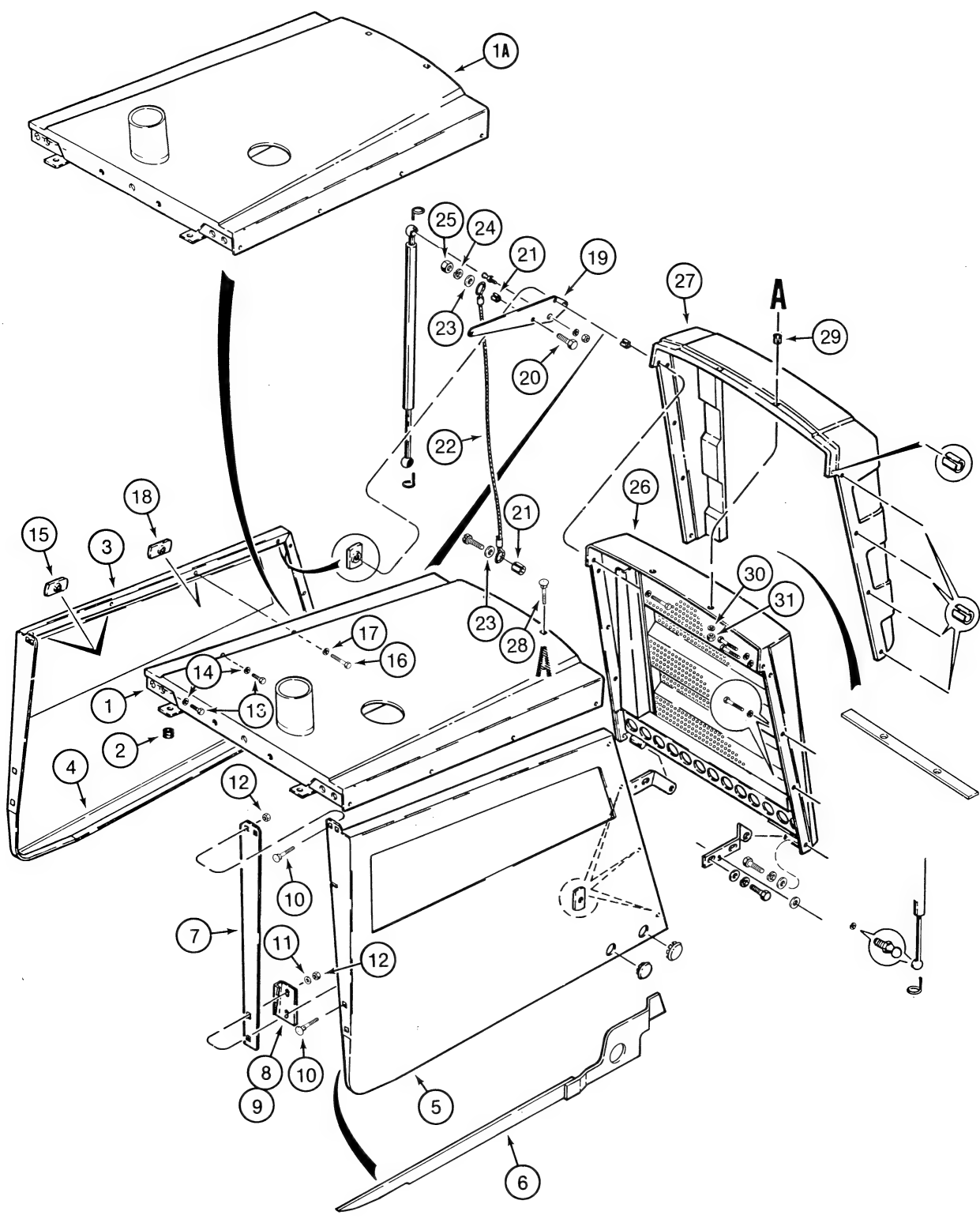


580 Super K Construction King Loader Backhoe

9-87B

RADIATOR SHROUD, PUMP GUARD, AND FRONT COVERS

REF.	PART NO.	DESCRIPTION	REQD.
26	116129A1	BRACKET - radiator retaining, used with item 1A shroud, if used (replaces 107237A1).....	1
27	413-616	BOLT - hex, 3/8 NC x 1 inch, if used	1
28	440-11012	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch, if used.....	4
29	109879A1	SPACER - plastic, hood, if used.....	4
30	231-14109	NUT - hex, self-locking, No. 10 NC, if used.....	4
31	112865A1	SCREW - hex flange, self-tapping, replaces items 14-16 on some models	2



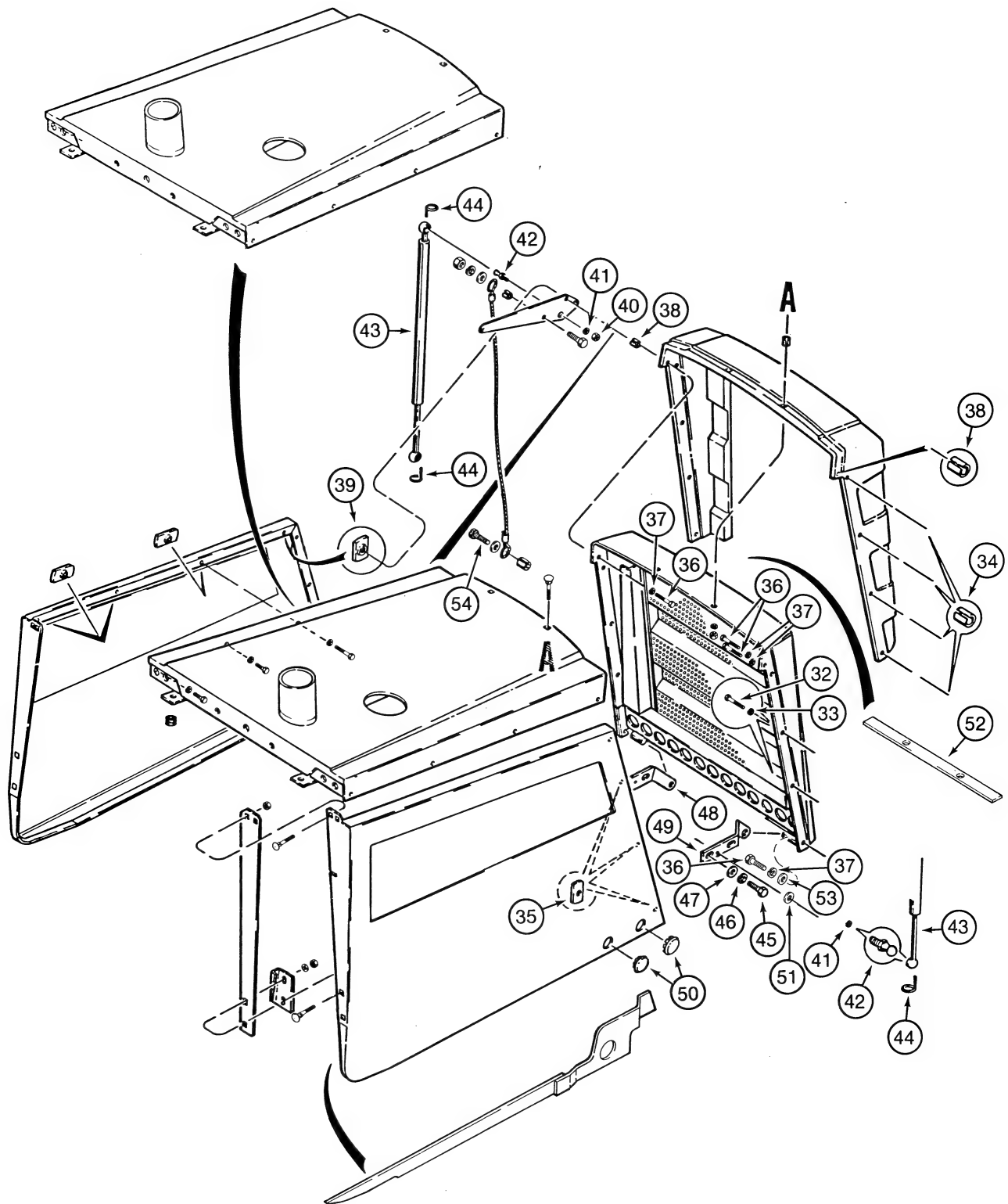
580 Super K Construction King Loader Backhoe
***HOOD, ENGINE SIDE PANELS, AND GRILLE UNIT**

9-89

REF.	PART NO.	DESCRIPTION	REQ'D.
1	*D144397	HOOD - used on models without turbocharged engine, if used.....	1
1A	*D144409	HOOD - used on models with turbocharged engine, if used.....	1
2	D145721	BUMPER - hood to air cleaner mounting bracket.....	2
3	D143245	PANEL - engine, left-hand side	1
4	D143260	PLATE - support, side panel stiffener	1
5	D143244	PANEL - engine, right-hand side	1
6	D143259	PLATE - support, side panel stiffener	1
7	D134654	PLATE - engine side panels, rear guide.....	2
8	D143714	BRACKET - rear guide, right-hand side panel	1
9	D143715	BRACKET - rear guide, left-hand side panel.....	1
10	111-364	BOLT - carriage, 3/8 NC x 1-1/4 inch.....	8
11	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch, at rear guide brackets.....	4
12	232-1446	NUT - light hex, self-locking, 3/8 inch NC.....	8
13	413-48	BOLT - hex, 1/4 NC x 1/2 inch	4
14	492-11025	WASHER - lock, 1/4 inch	4
15	129-468	NUT - weld, 1/4 inch NC.....	4
16	413-412	BOLT - hex, 1/4 NC x 3/4 inch	2
17	492-11025	WASHER - lock, 1/4 inch	2
18	129-468	NUT - weld, 1/4 inch NC.....	2
19	D143903	BRACKET - cylinder retaining, hood	2
20	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch, upper cable mounting	2
21	D143417	SPACER - cable.....	4
22	D133403	CABLE - steel, hood retaining	2
23	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	4
24	492-11038	WASHER - lock, 3/8 inch.....	2
25	425-106	NUT - hex, 3/8 inch NC	2
26	D143506	GRILLE - tilt.....	1
27	D143461	GUARD - grille, rubber.....	1
28	434-520	BOLT - carriage, 5/16 NC x 1-1/4 inch.....	2
29	D76195	SPACER - 13/32 x 5/8 x 45/64 inch	2
30	492-11031	WASHER - lock, 5/16 inch.....	2
31	425-105	NUT - hex, 5/16 inch NC	2

***NOTE:** Also see page 9-91B for hood.

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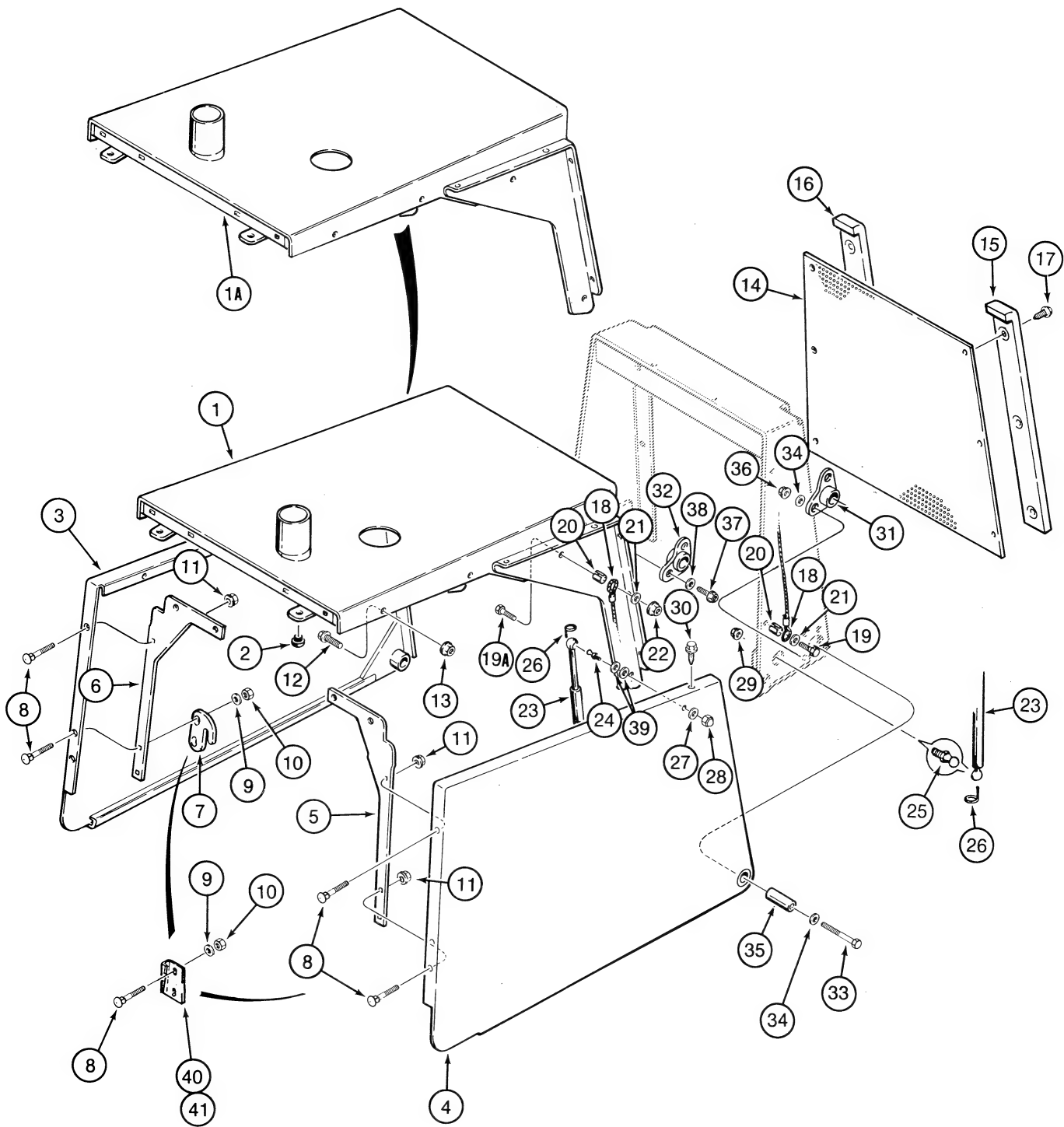


580 Super K Construction King Loader Backhoe
***HOOD, ENGINE SIDE PANELS, AND GRILLE UNIT**

9-91

REF.	PART NO.	DESCRIPTION	REQD.
32	413-420	BOLT - hex, 1/4 NC x 1-1/4 inch	4
33	492-11025	WASHER - lock, 1/4 inch	4
34	D136619	SPACER - 7 mm x 10 mm x 13 mm	8
35	129-468	NUT - weld, 1/4 inch NC.....	6
36	413-424	BOLT - hex, 1/4 NC x 1-1/2 inch	6
37	492-11025	WASHER - lock, 1/4 inch	6
38	D136620	SPACER - 7 mm x 10 mm x 10 mm, one each side of grille to grille guard uppermost mounting holes only	2
39	129-468	NUT - weld, 1/4 inch NC.....	4
40	425-105	NUT - hex, 5/16 inch NC	2
41	492-11031	WASHER - lock, 5/16 inch	4
42	1340345C1	STUD - ball.....	4
43	D132726	CYLINDER - spring, counterbalance, hood.....	2
44	F44883	CLIP - ball stud retainer.....	4
45	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	4
46	492-11038	WASHER - lock, 3/8 inch.....	4
47	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	4
48	D134669	BRACKET - hinge, left-hand, attaches grille to chassis.....	1
49	D134668	BRACKET - hinge, right-hand, attaches grille to chassis	1
50	D140267	PLUG - side panels, if used	4
51	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	2
52	D146866	PLATE - spacer	1
53	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch	2
54	276-24916	SCREW - self-tapping, hex head, 3/8 NC x 1 inch, lower cable mounting.....	2

***NOTE:** Also see page 9-91B for hood.

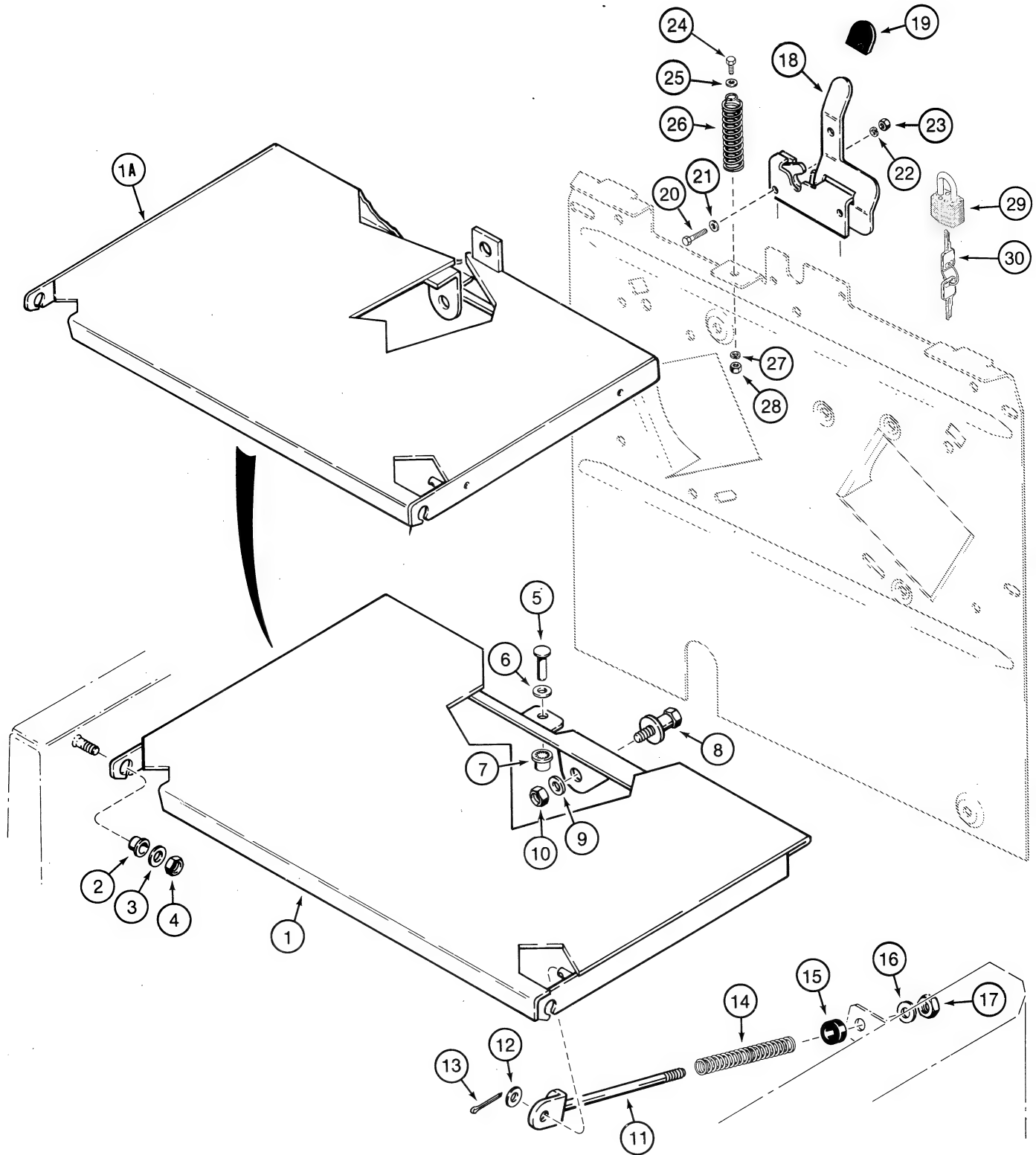


580 Super K Construction King Loader Backhoe
***HOOD, ENGINE SIDE PANELS, AND GRILLE UNIT**

9-91B

REF.	PART NO.	DESCRIPTION	REQD.
1	*109270A1	HOOD - used on models without turbocharged engine, if used.....	1
1A	*111565A1	HOOD - used on models with turbocharged engine, if used.....	1
2	D145721	BUMPER - hood to air cleaner mounting bracket.....	2
3	123102A1	PANEL - engine, left-hand side (replaces 109395A1)	1
4	123101A1	PANEL - engine, right-hand side (replaces 109280A1)	1
5	125892A1	BRACE - right-hand rear side panels (replaces 109308A1)	1
6	125894A1	BRACE - left-hand rear side panels (replaces 109313A1)	1
7	E48286	BRACKET - brace, guide, left-hand side panel, if used	1
8	434-620	BOLT - carriage, 3/8 NC x 1-1/4 inch.....	10
9	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch, rear guide brackets.....	2-4
10	230-4216	NUT - hex, self-locking, 3/8 inch NC.....	2-4
11	425-286	NUT - hex flange, 3/8 inch NC	6-8
12	458-512	BOLT - hex flange, 5/16 NC x 3/4 inch	4
13	425-285	NUT - hex flange, 5/16 inch NC	4
14	109383A1	GRILLE - tilt, perforated, mounting holes may be holes or slots.....	1
15	110598A1	BUMPER - grille, right-hand.....	1
16	110335A1	BUMPER - grille, left-hand.....	1
17	118978A1	SCREW - hex flange, self-tapping	6
18	113292A1	CABLE - hood retaining.....	1
19	413-612	BOLT - hex, 3/8 NC x 3/4 inch	1
19A	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	1
20	D143417	SPACER - cable.....	2
21	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	2
22	425-286	NUT - hex flange, 3/8 inch NC, cable retaining, upper.....	1
23	114980A1	CYLINDER - spring, hood counterbalance.....	2
24	F44882	STUD - ball, upper	2
25	109498A1	STUD - ball, lower.....	2
26	F44883	CLIP - ball stud retainer	4
27	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	2
28	234-10431	NUT - dome, 5/16 inch NC, upper	2
29	425-285	NUT - hex, flange, 5/16 inch NC, lower.....	2
30	112865A1	SCREW - hex flange, self-tapping	8
31	110977A1	PIVOT - right-hand side panel.....	1
32	111003A1	PIVOT - left-hand side panel.....	1
33	413-864	BOLT - hex, 1/2 NC x 4 inch	2
34	495-21056	WASHER - flat, 9/16 x 1-3/8 x 3/32 inch	4
35	110974A1	SPACER - hood pivot	2
36	425-108	NUT - hex, 1/2 inch NC	2
37	458-616	BOLT - hex flange, 3/8 NC x 1 inch	4
38	496-41041	WASHER - flat, 13/32 x 1-1/8 x 9/64 inch, hardened.....	4
39	495-81001	WASHER - flat, 3/8 x 1-1/8 x 1/16 inch	4
40	D143714	BRACKET - rear guide, right-hand side panel, if used	1
41	D143715	BRACKET - rear guide, left-hand side panel, if used	1

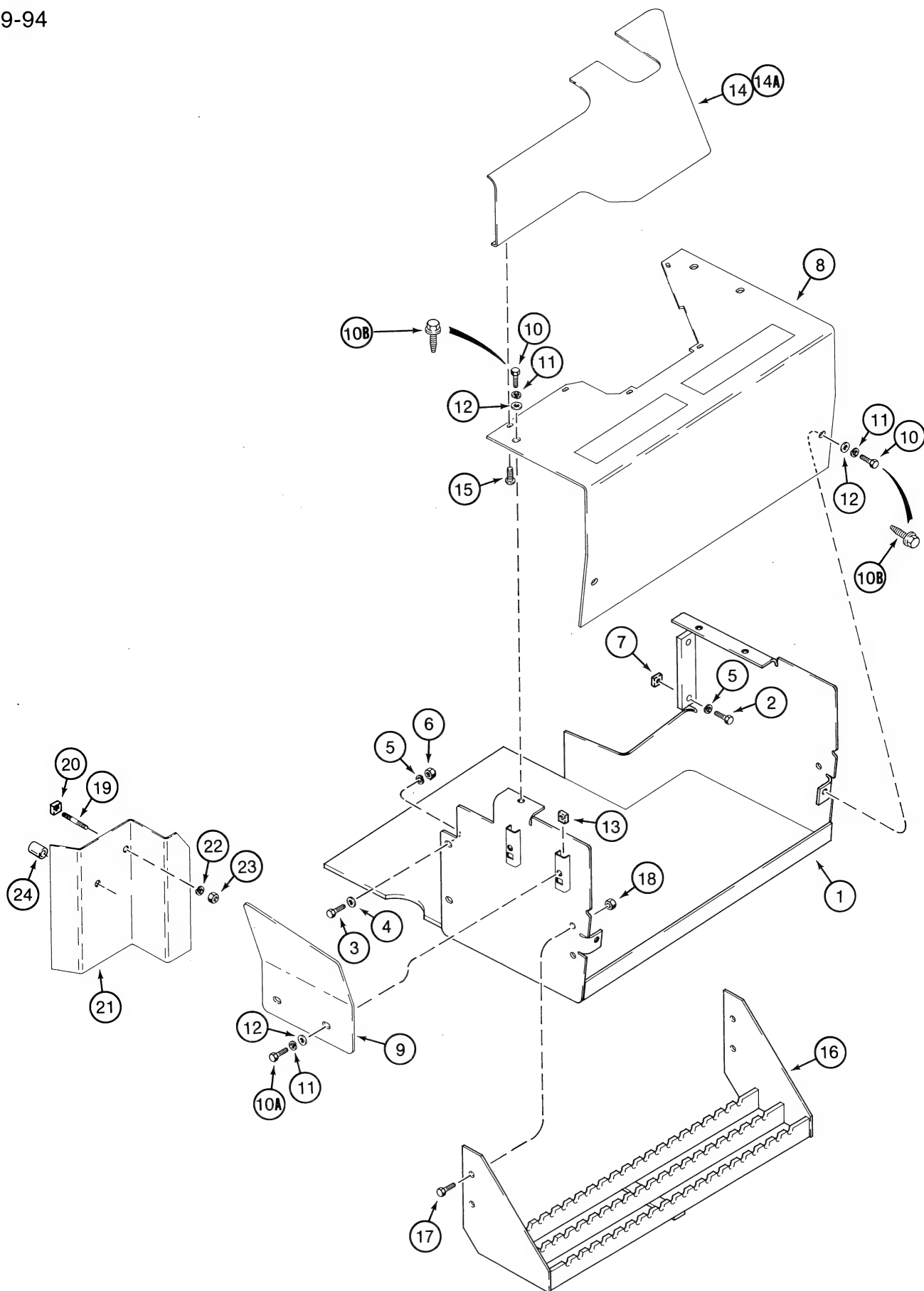
***NOTE:** Also see pages 9-89 and 9-91 for hood.



580 Super K Construction King Loader Backhoe
UPRIGHT COVER AND HOOD LATCH RELEASE

9-93

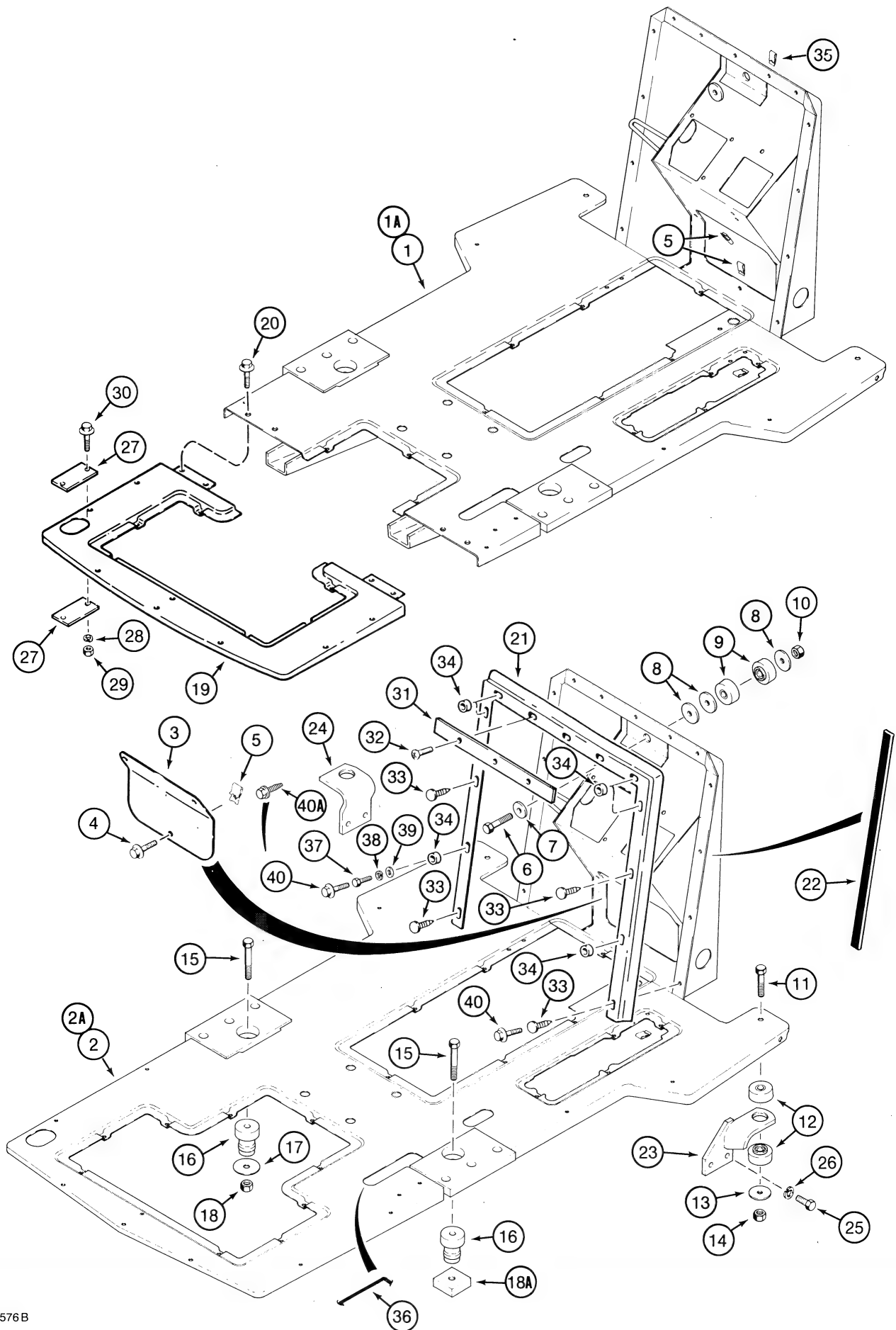
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D144452	COVER - chassis upright, used with D144397 or D144409 hood on page 9-89, no longer available, order 110824A1 cover	1
1A	110824A1	COVER - chassis upright, used with 109270A1 or 111565A1 hood on page 9-91B, if used	1
2	D134837	BEARING - cover pivot	2
3	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	2
4	231-1446	NUT - light hex, self-locking, 3/8 inch NC, grade 8	2
5	427-4077	PIN - clevis, 1/4 x 43/64 inch, hardened	1
6	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch	1
7	131-867	NUT - push-on type, 1/4 inch	1
8	D136115	STRIKER - upright cover	1
9	D52275	WASHER - flat, 25/64 x 1-1/4 x 7/64 inch, hardened, if used	1
9	496-41041	WASHER - flat, 13/32 x 1-1/8 x 9/64 inch, hardened, if used	1
10	230-4216	NUT - hex, self-locking, 3/8 inch NC	1
11	D134872	ROD - upright cover support	1
12	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	1
13	432-68	PIN - cotter, 3/32 x 1/2 inch	1
14	D125336	SPRING - return, upright cover	1
15	D125335	BUMPER - spring stop	1
16	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch	1
17	231-1444	NUT - light hex, self-locking, 1/4 inch NC	1
18	D144414	LATCH - hood release	1
19	D144519	CAP - latch lever	1
20	413-420	BOLT - hex, 1/4 NC x 1-1/4 inch	2
21	495-21031	WASHER - flat, 5/16 x 47/64 x 1/16 inch	2
22	492-11025	WASHER - lock, 1/4 inch, if used	2
23	425-104	NUT - hex, 1/4 inch NC	2
24	413-412	BOLT - hex, 1/4 NC x 3/4 inch	1
25	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch	1
26	D136113	SPRING - hood pop-up	1
27	492-11025	WASHER - lock, 1/4 inch, if used	1
28	425-104	NUT - hex, 1/4 inch NC	1
29	D93753	PADLOCK - hood latch, if used	1
30	R29555	KEY - for Master padlock only	2
30	D93751	KEY - for Yale padlock only	2



**580 Super K Construction King Loader Backhoe
LOADER VALVE BOX, COVERS AND STEPS**

9-95

REF.	PART NO.	DESCRIPTION	REQD.
1	D147089	BOX - enclosure, loader valve	1
2	413-616	BOLT - hex, 3/8 NC x 1 inch	2
3	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch	2
4	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	2
5	492-11038	WASHER - lock, 3/8 inch	4
6	425-106	NUT - hex, 3/8 inch NC	2
7	224-2246	NUT - square, 3/8 inch NC	2
8	D147402	COVER - valve enclosure box, front	1
9	D150029	GUARD - mud, valve enclosure box	1
10	413-616	BOLT - hex, 3/8 NC x 1 inch, if used	5
10A	413-614	BOLT - hex, 3/8 NC x 7/8 inch	2
10B	458-616	SCREW - pointed, self-aligning, special, if used, replaces 118978A1	5
11	492-11038	WASHER - lock, 3/8 inch	7
12	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	7
13	224-2246	NUT - square, 3/8 inch NC	2
14	D147520	COVER - valve enclosure box, rear, plastic, with opening for hydraulic tubes, prior to P.I.N. JYG0169931, no longer available, order D150792 cover (item 14A) and modify as required	1
14A	D150792	COVER - valve enclosure box, rear, plastic, without opening for hydraulic tubes, P.I.N. JYC0169931 and after	1
15	260-14512	SCREW - self-tapping, pan Phillips, No. 10-16 x 3/4 inch	5
16	D149922	STEP - operator compartment access, right-hand, see page 4-19, item 38, for left-hand step	1
17	413-616	BOLT - hex, 3/8 NC x 1 inch	4
18	231-1446	NUT - hex, self-locking, 3/8 inch NC, grade 8	4
19	R46227	STUD - special, tube clamp and cover to chassis bracket	2
20	224-2246	NUT - square, 3/8 inch NC	2
21	D146883	GUARD - rear, tubes at chassis	1
22	492-11038	WASHER - lock, 3/8 inch	2
23	425-106	NUT - hex, 3/8 inch NC	2
24	D150735	SPACER - rear guard, left-hand mounting hole only, if used	1

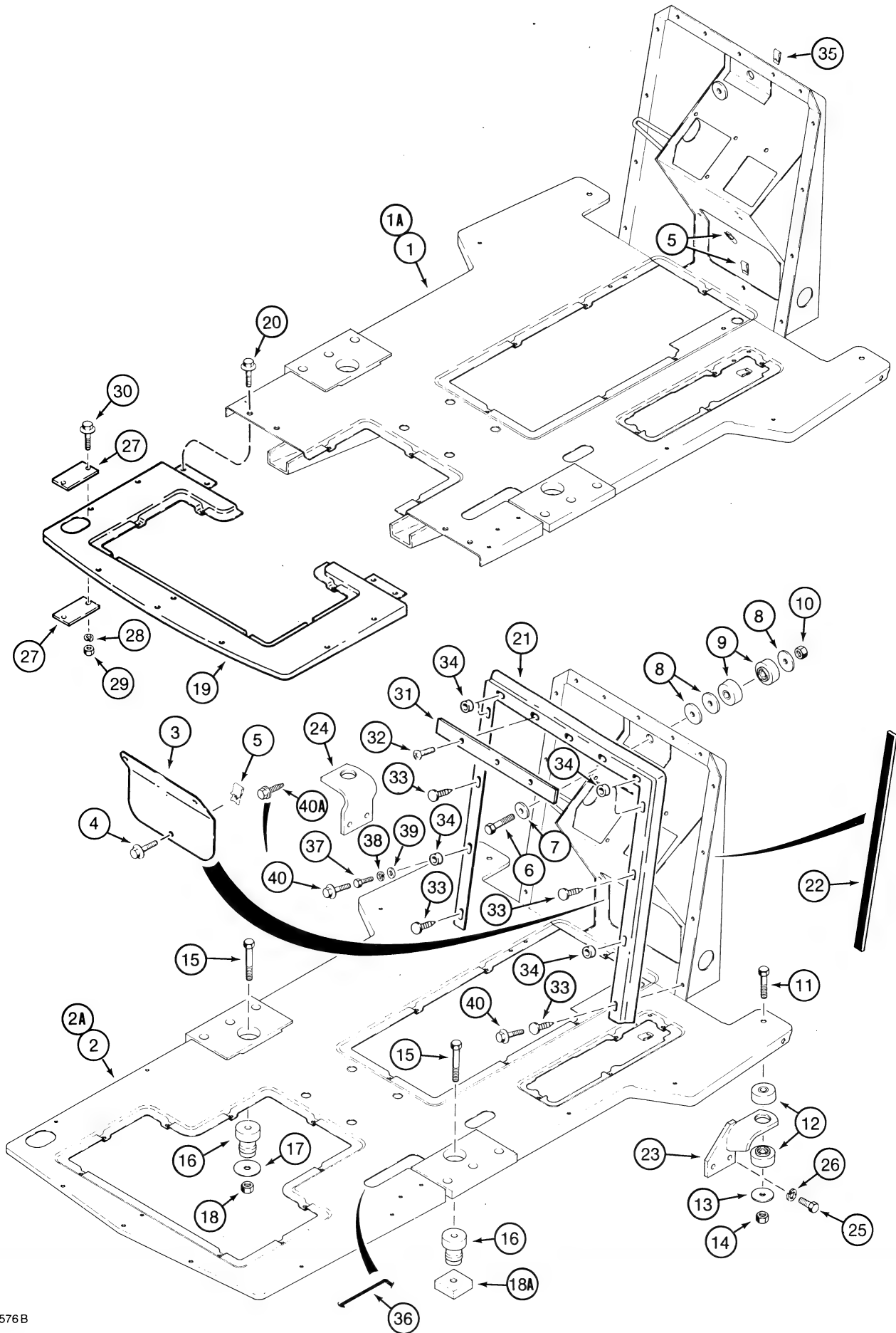


580 Super K Construction King Loader Backhoe OPERATORS COMPARTMENT FRAME AND MOUNTING

9-97

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D148051	FRAME - operators compartment, loader models only, has a 7/16 inch mounting hole on front of lower channel for front drive axle control lever mounting, items 5 and 12 on page 6-37, frame no longer available, 2WD units order 102452A1 frame (item 1A below); 4WD units order 102452A1 frame (item 1A below), 102446A1 bracket (item 21A on page 7-13) and items 24,25,27,28, and 30-33 on page 6-37.....	1
1A	102452A1	FRAME - operators compartment, loader models only, has 1/2 inch mounting hole on front of lower channel for front drive axle control lever mounting, items 24 and 25 on page 6-37.....	1
2	D146159	FRAME - operators compartment, loader integral backhoe models, has a 7/16 inch mounting hole on front of lower channel for front drive axle control lever mounting, items 5 and 12 on page 6-37, frame no longer available, 2WD units order 102451A1 frame (item 2A below); 4WD units order 102451A1 frame (item 2A below), 102446A1 bracket (item 21A on page 7-13) and items 24,25,27,28, and 30-33 on page 6-37.....	1
2A	117920A1	FRAME - operators compartment, loader integral backhoe models, has 1/2 inch mounting hole on front of lower channel for front drive axle control lever mounting, items 24 and 25 on page 6-37, (replaces 102451A1 frame)	1
3	D139180	PLATE - access, in firewall	1
4	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch	3
5	131-97	NUT - U-type, 5/16 inch NC	3
6	426-1060	BOLT - hex, 5/8 NC x 3-3/4 inch	1
7	D90873	WASHER - flat, 1/4 inch (6 mm) thick	1
8	D89007	WASHER - flat, 5/8 x 2-3/4 inch, special.....	3
9	D138565	INSULATOR - frame mounting, front	2
10	429-1010	NUT - hex, 5/8 inch NC, grade 8	1
11	426-1064	BOLT - hex, 5/8 NC x 4 inch, grade 8	2
12	D138565	INSULATOR - frame mounting, front	4
13	D89007	WASHER - flat, 5/8 x 2-3/4 inch, special.....	2
14	429-1010	NUT - hex, 5/8 inch NC, grade 8	2
15	D147377	BOLT - hex, 5/8 NC x 5 inch, special thread length.....	2
16	A141451	INSULATOR - frame mount, rear, rubber	2
17	D89007	WASHER - flat, 5/8 x 2-3/4 inch, special, used with item 16 insulator on left-hand side of frame.....	1
18	429-1010	NUT - hex, 5/8 inch NC, grade 8, used with item 17 washer.....	1
18A	D148525	BLOCK - tapped, 2-3/4 inch square, used with item 16 insulator on right-hand side of frame	1
19	D141960	FRAME - rear, used with item 1, D148051 frame, cab or canopy loader only models with rear counterweight	1
20	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch, if used.....	4
21	D132290	SEAL - firewall, used on models without cab	1
22	D150055	SEAL - 300 inch (7620 mm) long, cut from L35819, firewall and chassis, used on models with cab	1
	L35819	SEAL - 50 foot long, bulk	1

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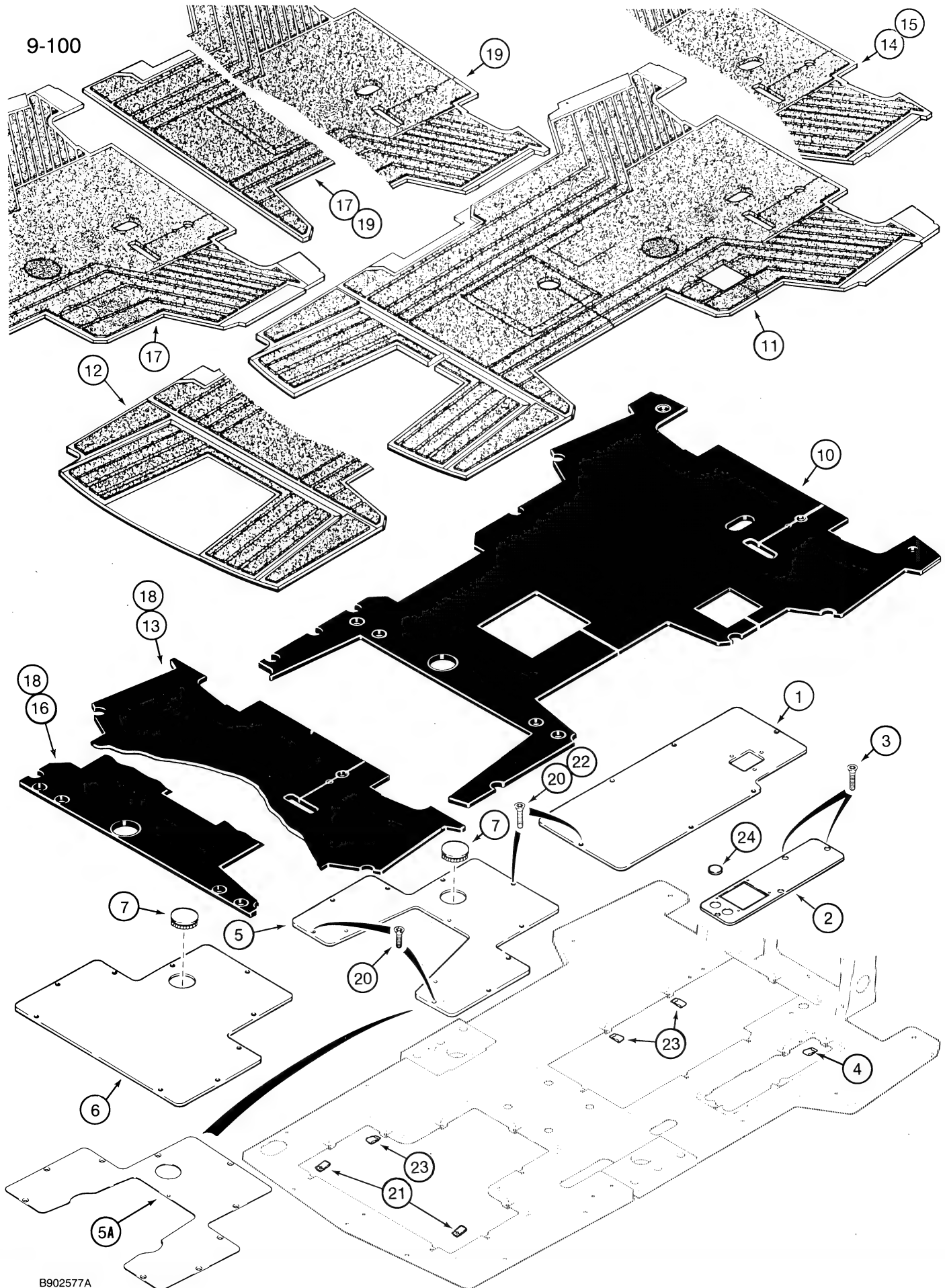


580 Super K Construction King Loader Backhoe
OPERATORS COMPARTMENT FRAME AND MOUNTING

9-99

REF.	PART NO.	DESCRIPTION	REQ'D.
23	D144671	BRACKET - frame mount, right-hand front.....	1
24	D140555	BRACKET - frame mount, left-hand front.....	1
25	426-820	BOLT - hex, 1/2 NC x 1-1/4 inch, grade 8	4
26	492-11050	WASHER - lock, 1/2 inch	4
27	D140261	PLATE - boom latch hole, used on models without backhoe, with rear counterweight	2
28	492-11031	WASHER - lock, 5/16 inch	2
29	425-105	NUT - hex, 5/16 inch NC	2
30	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch	2
31	D143659	PLATE - steel.....	1
32	440-13112	SCREW - machine, pan head Phillips, 5/16 NC x 3/4 inch	3
33	D143242	RETAINER - push-in, plastic.....	4
34	102439A1	SPACER - 13/32 x 1/2 x 3/8 inch, seal to front instrument panel, (replaces D35217 spacer)	6
35	131-874	NUT - J-type, 5/16 inch NC, if used	13
36	*D35424	SEAL - trim, edge, 16 inch, cut to required length from bulk seal F42827, see below	1
37	413-516	BOLT - hex, 5/16 NC x 1 inch	6
38	492-11031	WASHER - lock, 5/16 inch	6
39	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	6
40	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch, (replaces D141589 screw), if used	3-7
40A	112865A1	SCREW - pointed, self-aligning, if used	7
	*F42827	SEAL - trim, edge, 116 inch	UAR

9-100



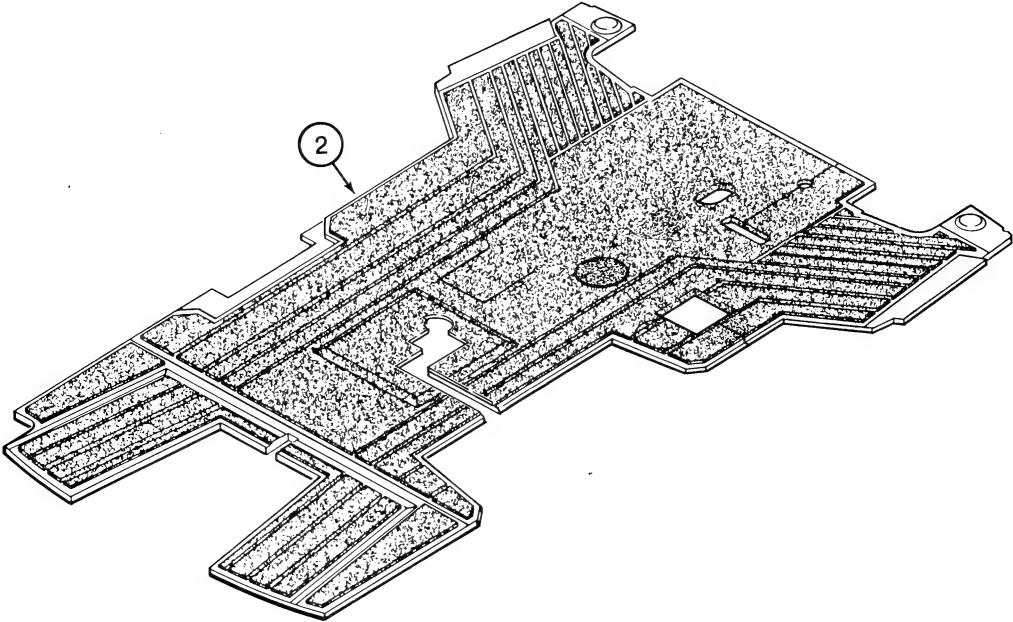
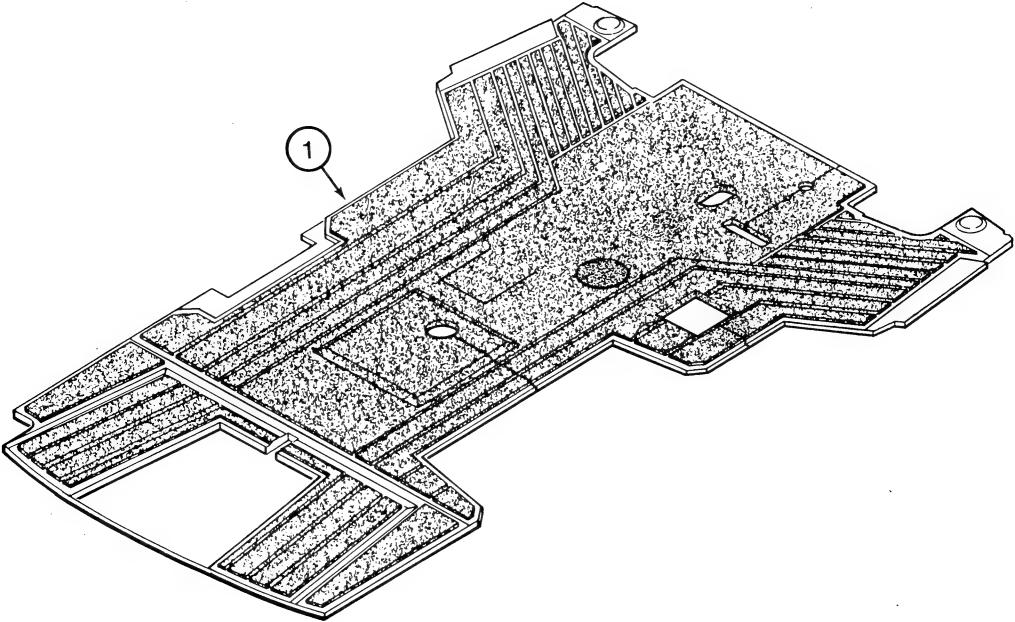
580 Super K Construction King Loader Backhoe

FLOOR PLATES AND FLOORMATS

9-101

REF.	PART NO.	DESCRIPTION	REQD.
1	D146215	PLATE - floor, front cover, with or without backhoe.....	1
2	D149324	PLATE - floor, cover, loader control lever mounting	1
3	461-43116	BOLT - hex socket flat, 5/16 NC x 1 inch.....	10
4	131-97	NUT - U-type, 5/16 inch NC	10
5	D133813	PLATE - floor, rear cover, with plug hole, cab or canopy models with backhoe, if used.....	1
5A	104539A1	PLATE - floor, rear cover, with plug hole, if used	1
6	D135978	PLATE - floor, rear cover, cab or canopy models without backhoe, with rear counterweight.....	1
7	D143595	PLUG - button, 3 inch, steel, rear floor plate	1
10	D147784	PAD - floormat, service replacement, if used.....	1
11	D147766	FLOORMAT - used with D147784 pad, cab models with backhoe, for service order 109747A1 floormat, shown on page 9-101B	1
12	D147767	FLOORMAT - used with D147784 pad, cab models without backhoe, also service replacement for items 11, 14, 15, 17, and 19, no longer available, order 109747A1 floormat, item 1, shown on page 9-101B	1
13	D147785	PAD - floormat, used on canopy models with or without backhoe, for service order D147784 pad, if used	1
14	D147780	FLOORMAT - used with D147785 pad, canopy models with backhoe, for service order 109747A1 floormat, shown on page 9-101B.....	1
15	D147781	FLOORMAT - used with D147785 pad, canopy models without backhoe, for service order 109747A1 floormat, shown on page 9-101B	1
16	D147786	PAD - used with D147782 floormat, cab models with three-point hitch, for service order D147784 pad, if used.....	1
17	D147782	FLOORMAT - used with D147786 pad, cab models with three-point hitch, for service order 109747A1 floormat, shown on page 9-101B	1
18	D147787	PAD - used with D147783 floormat, canopy models with three-point hitch, for service order D147784 pad, if used.....	1
19	D147783	FLOORMAT - used with D147787 pad, canopy models with three-point hitch, for service order 109747A1 floormat, shown on page 9-101B	1
20	461-43112	BOLT - hex socket flat, 5/16 NC x 3/4 inch	2
21	131-637	NUT - J-type, 5/16 inch NC	2
22	461-43116	BOLT - hex socket flat head, 5/16 NC x 1 inch.....	7
23	131-97	NUT - U-type, 5/16 inch NC, replaces J-type nut	7
24	D150737	PLUG - button, 1-1/4 inch, (replaces 205-56).....	2

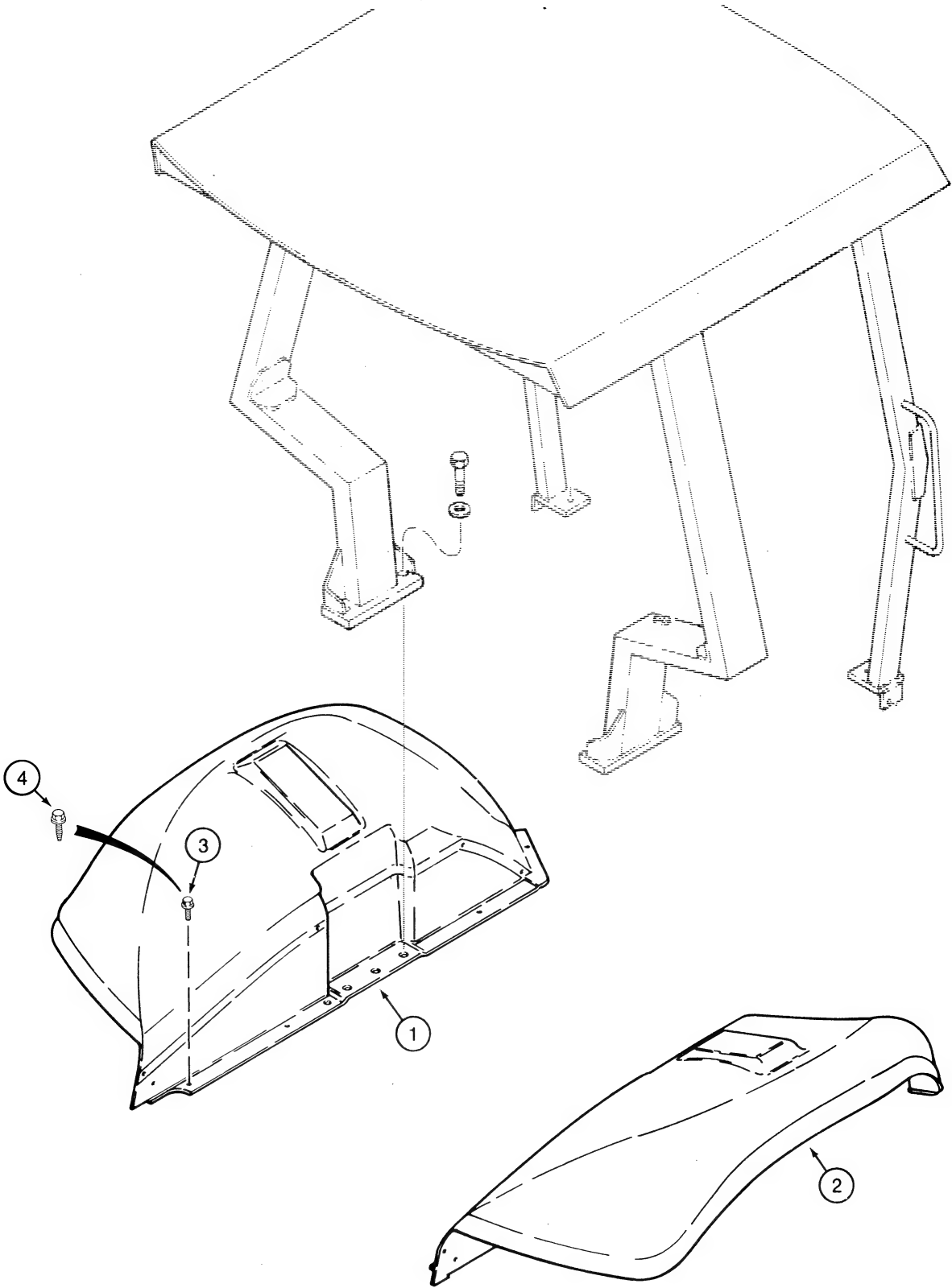
NOTE: See page 9-21, items 6 through 9, for backhoe control tower floor plate and seals.



580 Super K Construction King Loader Backhoe
FLOORMATS

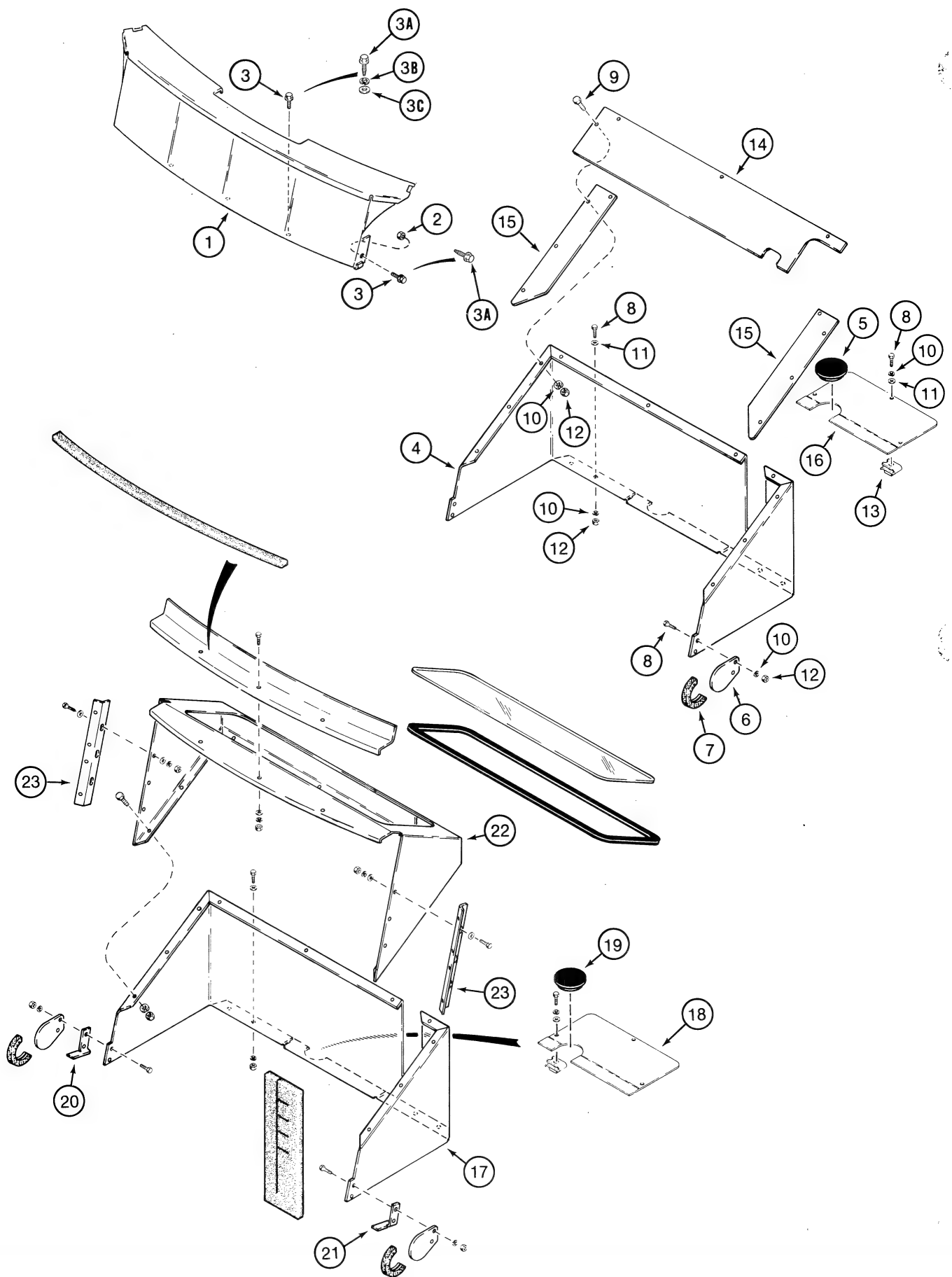
9-101B

REF.	PART NO.	DESCRIPTION	REQD.
1	109747A1	FLOORMAT - service replacement, used on cab or canopy models with seats without electrical alarm switch.....	1
2	117539A1	FLOORMAT - used on cab or canopy models with seats with electrical alarm switch.....	1



REAR FENDERS
ROPS CANOPY MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	R52549	FENDER - left-hand	1
2	R52550	FENDER - right-hand	1
3	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch (replaces D141589 bolt), if used	8
4	112865A1	SCREW - pointed, self-aligning, if used	8



580 Super K Construction King Loader Backhoe

REAR CLOSURE PANELS

9-105

REF. PART NO.	DESCRIPTION	REQD.
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CANOPY MODELS - WITH BACKHOE OR REAR COUNTERWEIGHT

1	D135244	PANEL - rear closure, canopy models with backhoe or canopy models without backhoe but with rear counterweight, see page 9-169 for decal	1
2	425-105	NUT - hex, 5/16 inch NC	2
3	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch, (replaces D141589 screw), if used	7
3A	112865A1	SCREW - pointed, self-aligning, if used	7
3B	492-11031	WASHER - lock, 5/16 inch	2
3C	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	4

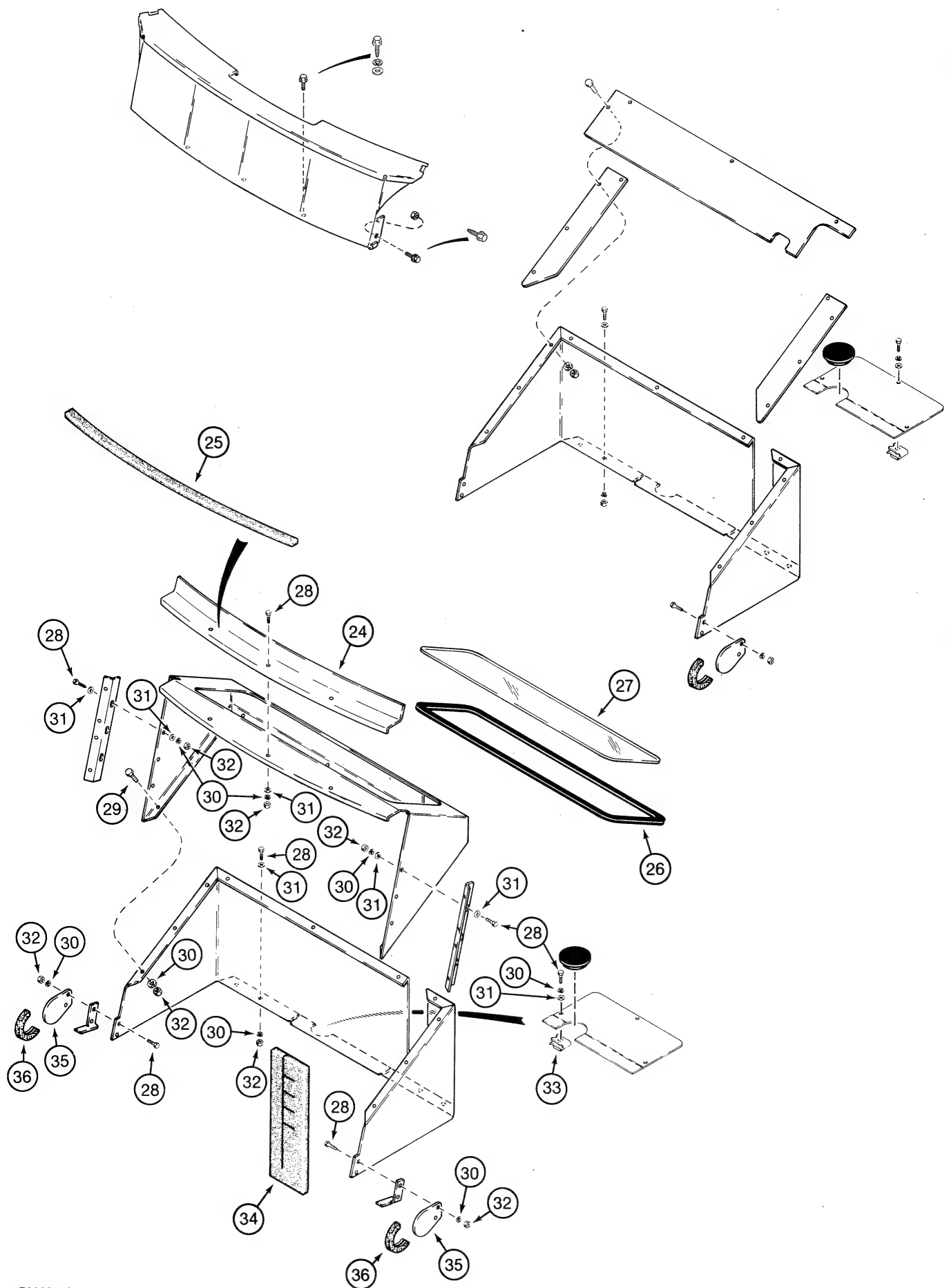
CANOPY MODELS - WITH THREE-POINT HITCH

4	D147480	PANEL - rear closure, canopy models without backhoe with three-point hitch	1
5	D143595	PLUG - 3 inch diameter, if used	1
6	D141390	PLATE - corner guard	2
7	D33500	TRIM - edge, 7 inch long, cut from bulk trim, see Parts Substitution List for bulk trim options	2
8	413-516	BOLT - hex, 5/16 NC x 1 inch	11
9	413-512	BOLT - hex, 5/16 NC x 3/4 inch	10
10	492-11031	WASHER - lock, 5/16 inch	21
11	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	7
12	425-105	NUT - hex, 5/16 inch NC	18
13	131-97	NUT - U-type, 5/16 inch NC, used on some models	3
14	D141574	COVER - panel, at right-hand corner	1
15	D141573	PLATE - panel	2
16	D147442	COVER - lower	1

CAB MODELS - WITH THREE-POINT HITCH

17	D147480	PANEL - rear closure, cab models without backhoe with three-point hitch	1
18	D147442	COVER - lower	1
19	D143595	PLUG - 3 inch diameter, if used	1
20	D136688	BRACKET - window track stop, left-hand	1
21	D136689	BRACKET - window track stop, right-hand	1
22	D141945	PANEL - rear closure, upper	1
23	D136690	BRACKET - angle, window, closure support	2

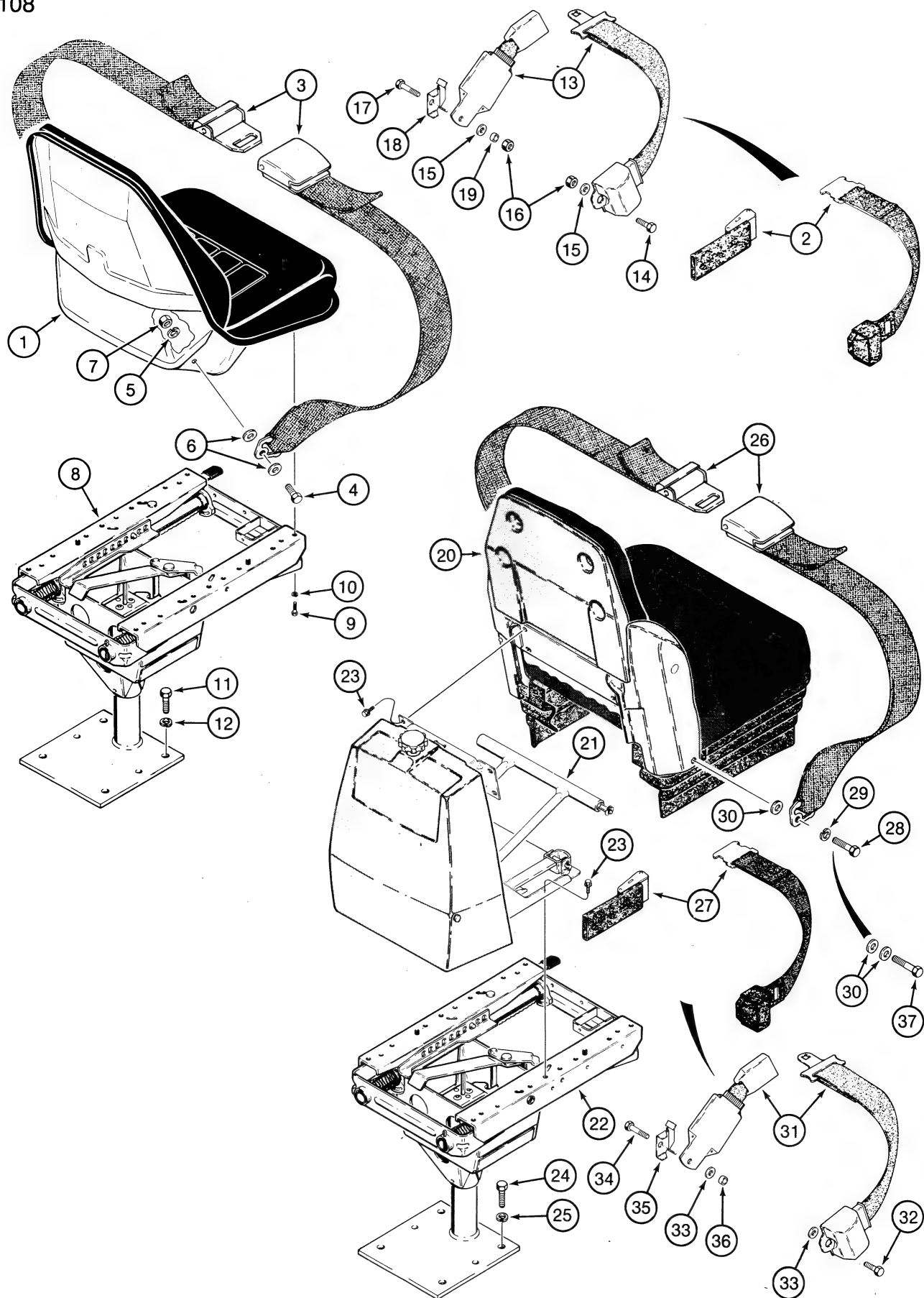
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580 Super K Construction King Loader Backhoe
REAR CLOSURE PANELS

9-107

REF.	PART NO.	DESCRIPTION	REQD.
CAB MODELS - WITH THREE-POINT HITCH			
24	D136651	BRACKET - threshold, window, rear.....	1
25	D126201	SEAL - 20 mm x 10 mm x 912 mm, adhesive back.....	1
26	D90207	SEAL - 79 inch (2006 mm) long, cut from A42677 bulk seal, molding, window, see below	1
27	D90206	GLASS - closure panel	1
28	413-516	BOLT - hex, 5/16 NC x 1 inch	20
29	413-512	BOLT - hex, 5/16 NC x 3/4 inch	10
30	492-11031	WASHER - lock, 5/16 inch	30
31	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	22
32	425-105	NUT - hex, 5/16 inch NC	27
33	131-97	NUT - U-type, 5/16 inch NC	3
34	D141585	SEAL - panel	1
35	D141390	PLATE - corner guard	2
36	D33500	TRIM - edge, 7 inch (178 mm) long, cut from bulk trim, see Parts Substitution List for bulk trim options.....	2
	A42677	SEAL - 600 inch (1524 mm) long, bulk roll.....	UAR



***SEATS AND MOUNTING PARTS**

REF. PART NO.	DESCRIPTION	REQD.
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STANDARD SEAT AND MOUNTING PARTS

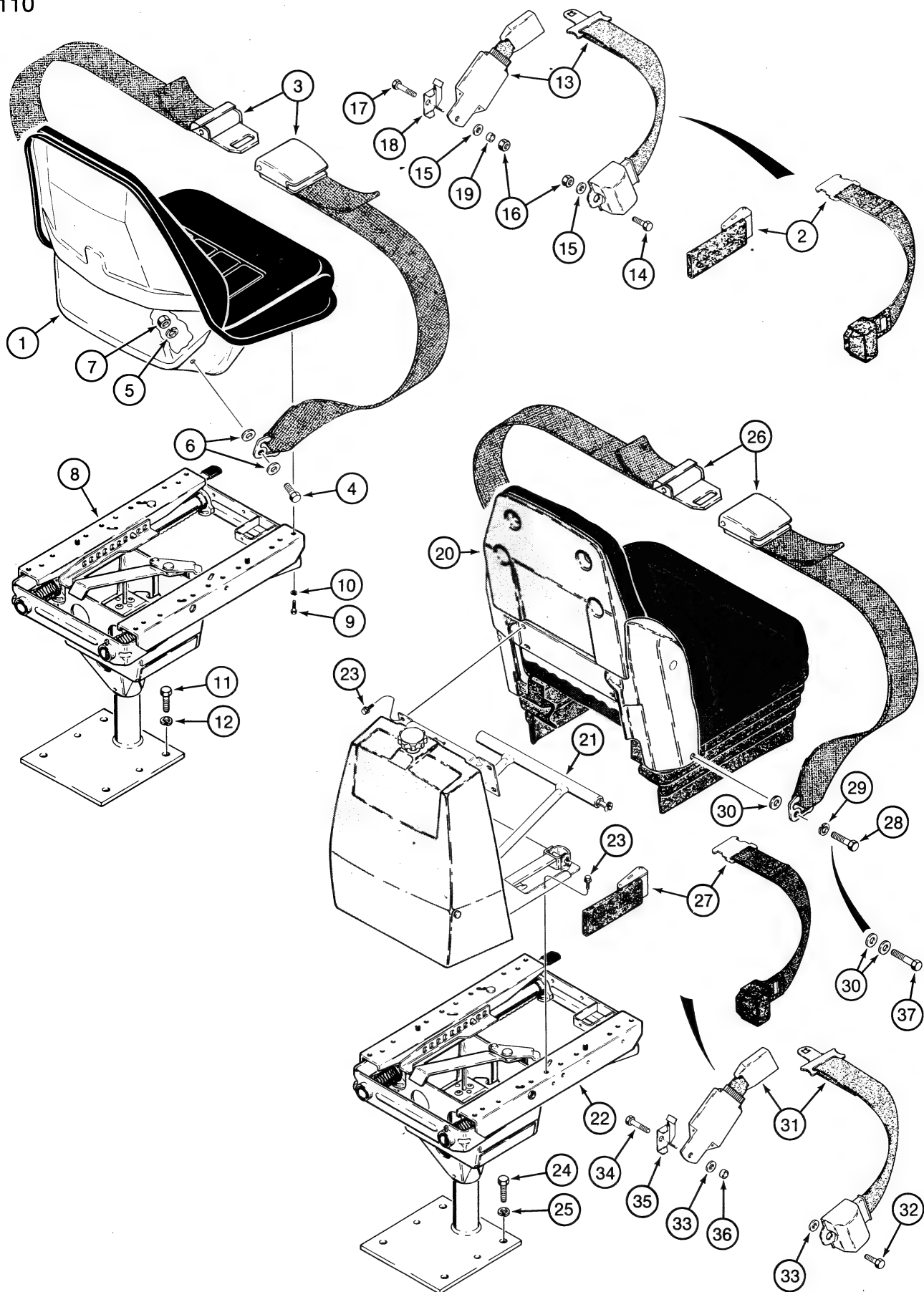
1	D123196	SEAT ASSEMBLY - standard, parts list page 9-113, if used.....	1
2	**D135623	BELT - seat, 2 inch (51 mm) wide, with retractor, no longer available, order D150377 belt, item 13.....	1
3	**D150010	BELT - seat, 3 inch (76 mm) wide, if used	1
4	414-716	BOLT - hex, 7/16 NF x 1 inch D135623 or D150010 belt, if used	2
5	492-11044	WASHER - lock, 7/16 inch, D135623 or D150010 belt, if used.....	2
6	495-11047	WASHER - flat, 15/32 x 59/64 x 1/16 inch, D135623 or D150010 belt, if used	4
7	425-117	NUT - hex, 7/16 inch NF, D135623 or D150010 belt, if used	2
8	D147644	SUPPORT ASSEMBLY - standard seat, parts list page 9-119	1
9	413-512	BOLT - hex, 5/16 NC x 3/4 inch	4
10	492-11031	WASHER - lock, 5/16 inch	4
11	413-824	BOLT - hex, 1/2 NC x 1-1/2 inch	4
12	492-11050	WASHER - lock, 1/2 inch	4
13	D150377	BELT - seat, 2 inch (51 mm) wide, if used	1
14	414-720	BOLT - hex, 7/16 NF x 1-1/4 inch, D150377 belt, right-hand side, if used.....	1
15	496-81010	WASHER - flat, 15/32 x 1 x 7/64 inch, hardened, D150377 belt, if used	2
16	131-1247	NUT - hex, self-locking, 7/16 inch NF, D150377 belt, if used	2
17	414-728	BOLT - hex, 7/16 NF x 1-3/4 inch, D150377 belt, left-hand side, if used.....	1
18	D150392	BRACKET - D150377 belt, left-hand side, if used	1
19	D150391	SPACER - D150377 belt, left-hand side, if used.....	1

SUSPENSION SEATS AND MOUNTING PARTS

	101796A1	SEAT ASSEMBLY - suspension, cloth, with armrests shown on page 9-125, cab models only, see pages 9-115 and 9-117 for seat, also includes items 30A-40 on page 9-123 (replaces D147689 seat), no longer available, order 102795A2 seat on page 9-125B.....	1
	101795A1	SEAT ASSEMBLY - suspension, vinyl, with armrests shown on page 9-125, see pages 9-115 and 9-117 for seat assembly, also includes items 30A-40 on page 9-123 (replaces D147690 seat), no longer available, order 108114A2 seat on page 9-125B.....	1
	D147692	SEAT ASSEMBLY - suspension, vinyl, without armrests, see pages 9-115 and 9-117 for seat, also includes items 30A-40 on page 9-123, no longer available, order 108114A2 seat on page 9-125B	1
20	NSS	SEAT ASSEMBLY - suspension seat, without armrests, parts list pages 9-115 and 9-117	1
21	N14297	ADJUSTER ASSEMBLY - suspension seat, parts list page 9-123.....	1
22	D147655	SUPPORT ASSEMBLY - suspension seat, parts list page 9-121	1
23	121-133	BOLT - hex flange, self-locking, 5/16 NC x 5/8 inch	8

***NOTE:** Also see page 9-125B for seat assemblies.

****NOTE:** When mounting the seat belt on a model with a three point hitch, the retractor end of the belt is to be mounted on the left side of the seat. This will provide clearance for the hitch controls.



580 Super K Construction King Loader Backhoe
***SEATS AND MOUNTING PARTS**

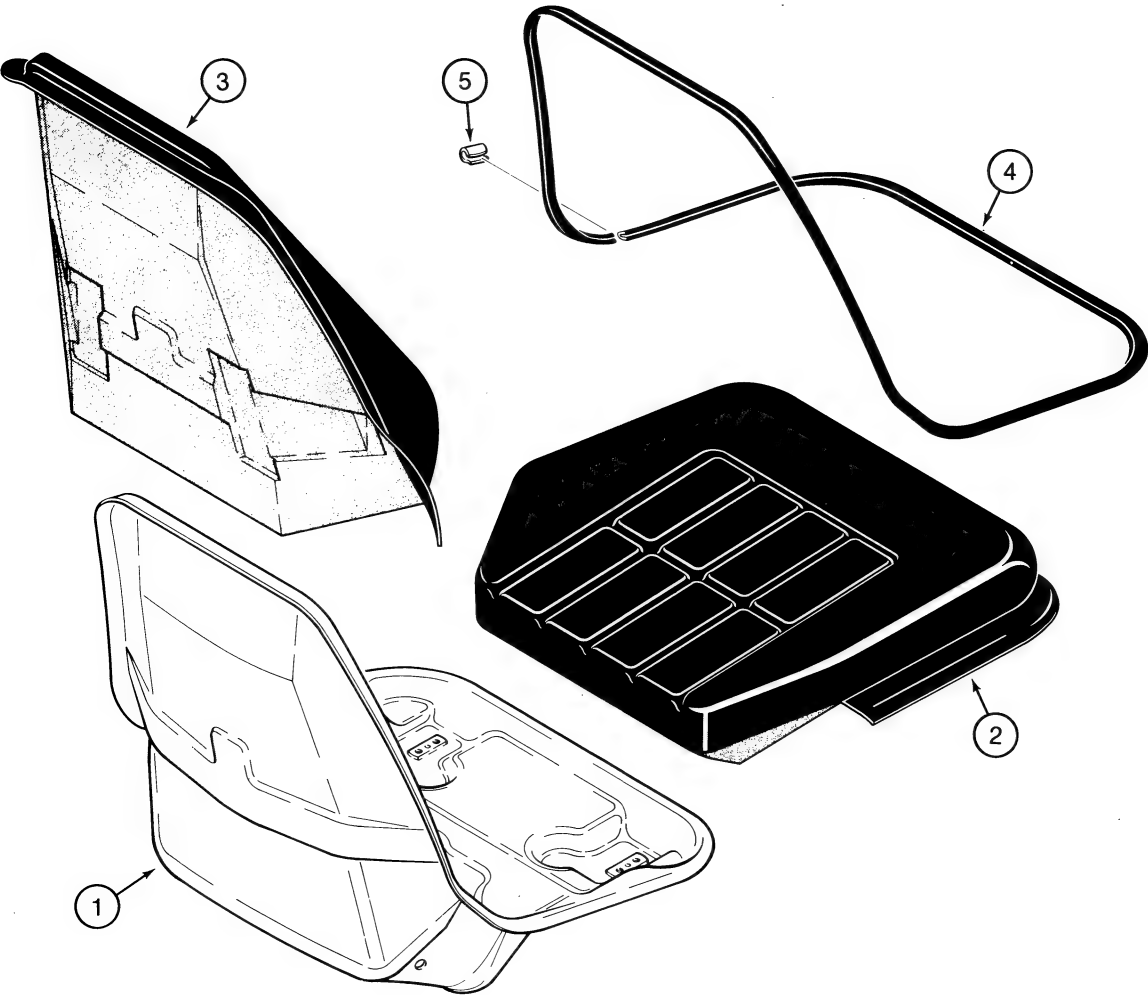
9-111

REF.	PART NO.	DESCRIPTION	REQD.
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SUSPENSION SEATS AND MOUNTING PARTS

24	413-824	BOLT - hex, 1/2 NC x 1-1/2 inch	4
25	492-11050	WASHER - lock, 1/2 inch	4
26	D150010	BELT - seat, 3 inch (76 mm) wide, if used	1
27	D135623	BELT - seat, 2 inch (51 mm) wide, no longer available, order D150377 belt, item 31	1
28	414-724	BOLT - hex, 7/16 NF x 1-1/2 inch, D135623 or D150010 belt, if used	2
29	492-11044	WASHER - lock, 7/16 inch, if used	2
30	495-11047	WASHER - flat, 15/32 x 59/64 x 1/16 inch, if used	2-4
31	D150377	BELT - seat, 2 inch (51 mm) wide, if used	1
32	109-9	BOLT - hex, self-locking, 7/16 NF x 1-1/4 inch, D150377 belt, right-hand side, if used	1
33	496-81010	WASHER - flat, 15/32 x 1 x 7/64 inch, hardened, D150377 belt, if used	2
34	109-10	BOLT - hex, self-locking, 7/16 NF x 1-3/4 inch, D150377 belt, left-hand side, if used	1
35	D150392	BRACKET - D150377 belt, left-hand side, if used	1
36	D150391	SPACER - D150377 belt, left-hand side, if used	1
37	109-10	BOLT - hex, self-locking, 7/16 NF x 1-3/4 inch, used with four flat washers with D150010 3 inch belt, if used	2

***NOTE:** Also see page 9-125B for seat assemblies.



580 Super K Construction King Loader Backhoe
***STANDARD SEAT ASSEMBLY**

9-113

REF. PART NO.	DESCRIPTION	REQ'D.
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D123196 STANDARD SEAT ASSEMBLY

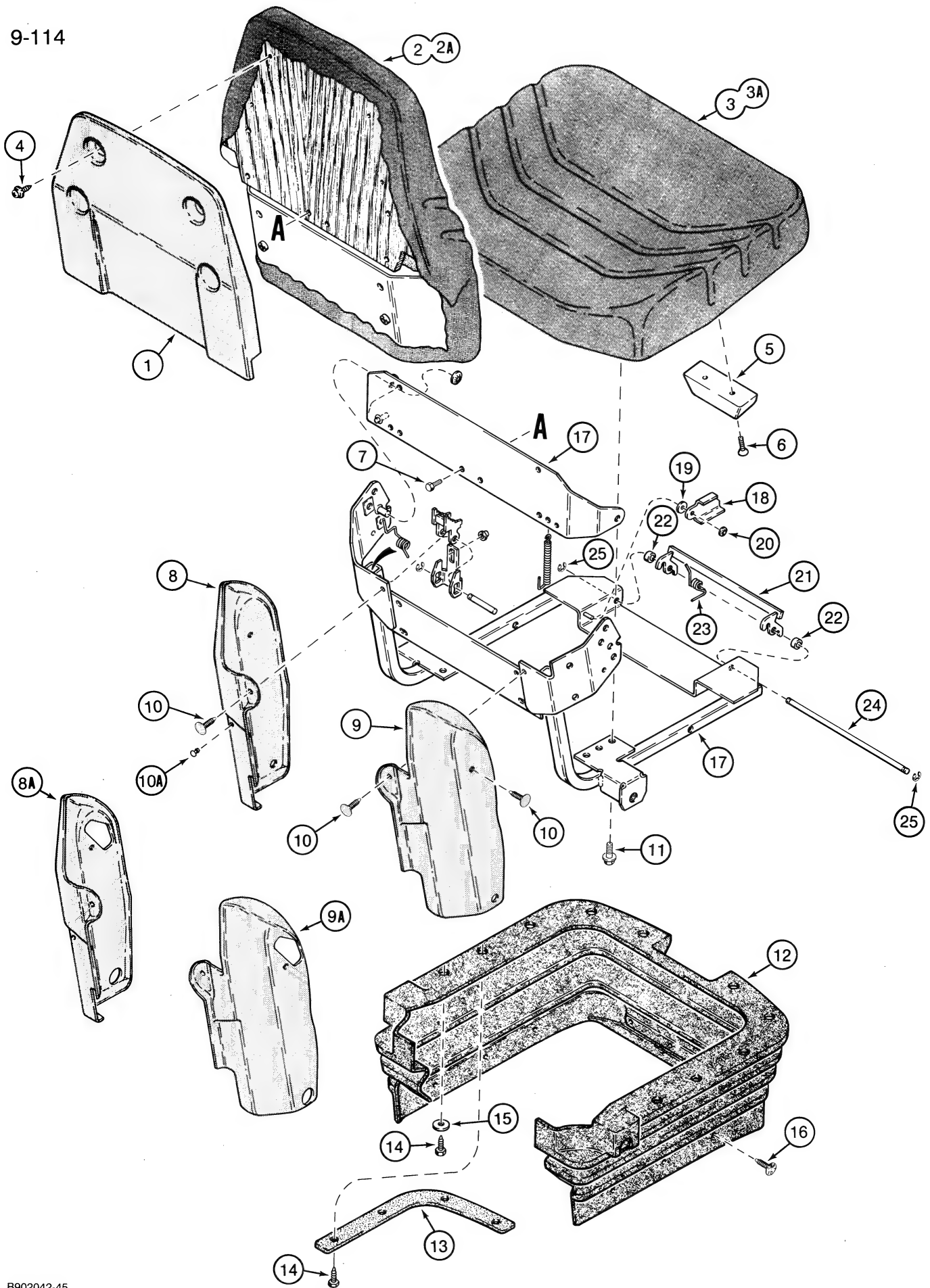
	D123196	SEAT ASSEMBLY - standard, for seat support see page 9-119, if used.....	1
1	NSS	SHELL - seat	1
2	N8462	CUSHION - seat, includes N7802 clip kit, see below	1
3	N8461	CUSHION - backrest, includes N7802 clip kit, see below	1
4	N14614	RETAINER - strip, cushion to shell	1
5	**NSS	CLIP - retainer, order N7802 clip kit, see below.....	1

	345-44	ADHESIVE - pad retaining, in a can, 23 fl. ounces (680 ml), not shown (purchase locally)	UAR
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	**N7802	KIT - clip, includes item 5 clip above plus 6 additional narrow clips	1
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NOTE: See pages 9-115 and 9-117 for optional suspension
seat assemblies.

***NOTE:** Also see page 9-125D for standard seat.



***SUSPENSION SEAT ASSEMBLIES**

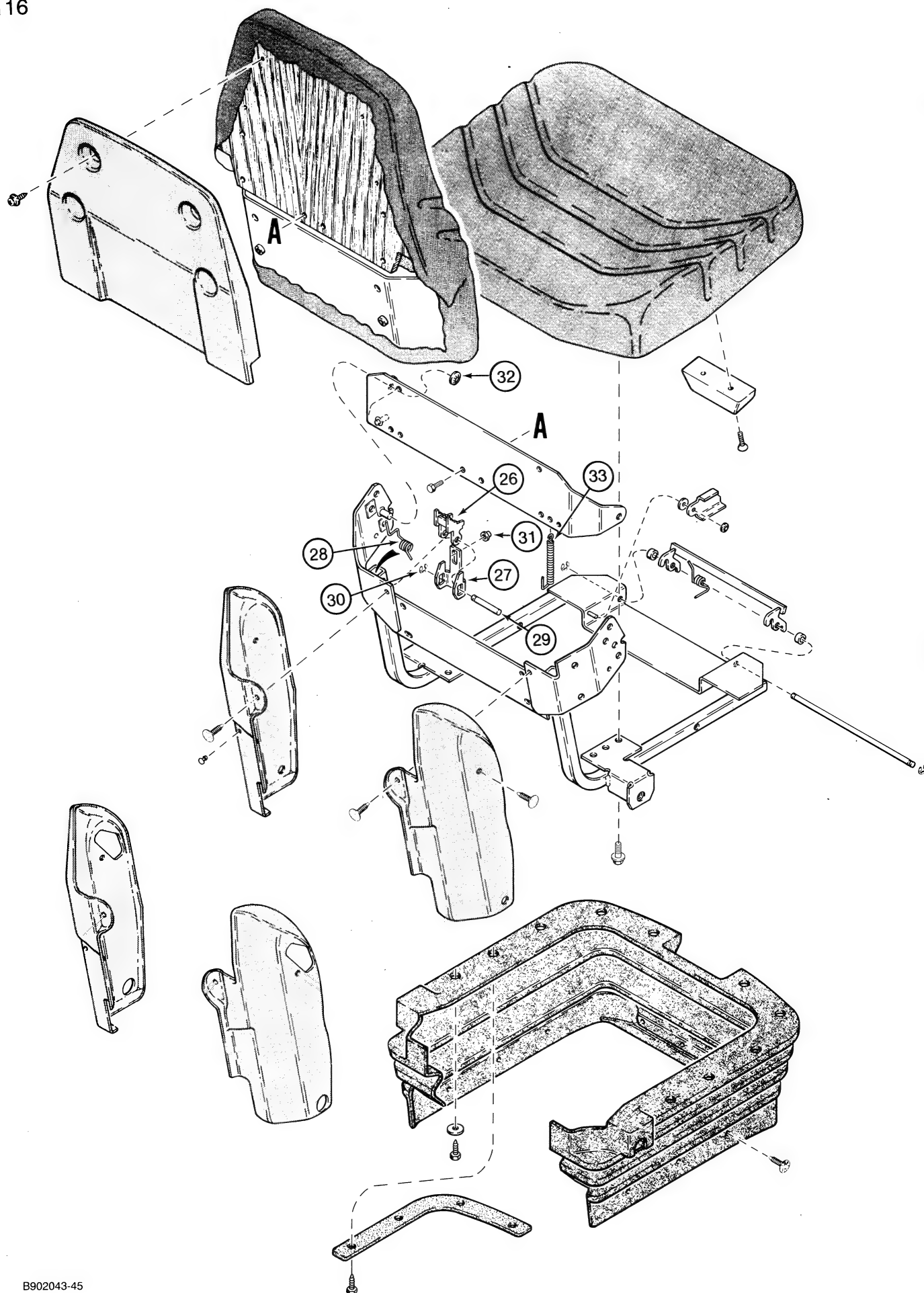
REF.	PART NO.	DESCRIPTION	REQD.
	NSS	SEAT ASSEMBLY - suspension, see page 9-109 and 9-111 for suspension seat options, for seat support and adjuster, see pages 9-121 and 9-123, no longer available, order cloth or vinyl seat assembly on page 9-125F	1
1	D144559	COVER - backrest, upper, shield.....	1
2	N14321	BACKREST - seat, cloth.....	1
2A	N14341	BACKREST - seat, vinyl	1
3	N14318	CUSHION - seat, cloth	1
3A	N14340	CUSHION - seat, vinyl.....	1
4	NSS	SCREW - Phillips, hex washer head, special	4
5	N14322	HANDLE - seat cushion adjustment.....	1
6	413-516	BOLT - hex, 5/16 NC x 1 inch.....	2
7	113-2	BOLT - hex, 1/4 NC x 5/8 inch.....	5
8	D144721	COVER - frame, left-hand shroud, used on seats without armrests...	1
8A	D144920	COVER - frame, left-hand shroud, used on seats with armrests.....	1
9	D144720	COVER - frame, right-hand shroud, used on seats without armrests.....	1
9A	D144919	COVER - frame, right-hand shroud, used on seats with armrests	1
10	N14323	RETAINER - plastic	4
10A	N8487	RIVET - plastic, yellow.....	1
11	413-516	BOLT - hex, 5/16 NC x 1 inch.....	2
12	N14320	BOOT - seat, protective covering	1
13	N14319	BRACKET - boot support.....	2
14	N13703	SCREW - hex head, special.....	10
15	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch.....	2
16	D144429	RETAINER - plastic, black.....	9
	N14852	FRAME ASSEMBLY - seat	1
17	NSS	FRAME - seat	1
18	N14325	BRACKET - toggle.....	1
19	495-21031	WASHER - flat, 5/16 x 47/64 x 1/16 inch.....	1
20	131-433	NUT - push-on type, 1/4 inch.....	1
21	N14324	BRACKET - latch, cushion adjustment	1
22	N14334	SPACER - nylon.....	2
23	N14335	SPRING - torsion	1
24	N14332	SHAFT - front seat bracket latch.....	1
25	D95092	RING - C-type, retaining (replaces N14331)	2

NOTE: Also includes items 30A through 40 on page 9-123.

See page 9-125 for armrests.

***NOTE:** Also see page 9-125F for suspension seat assemblies.

Continued on next page



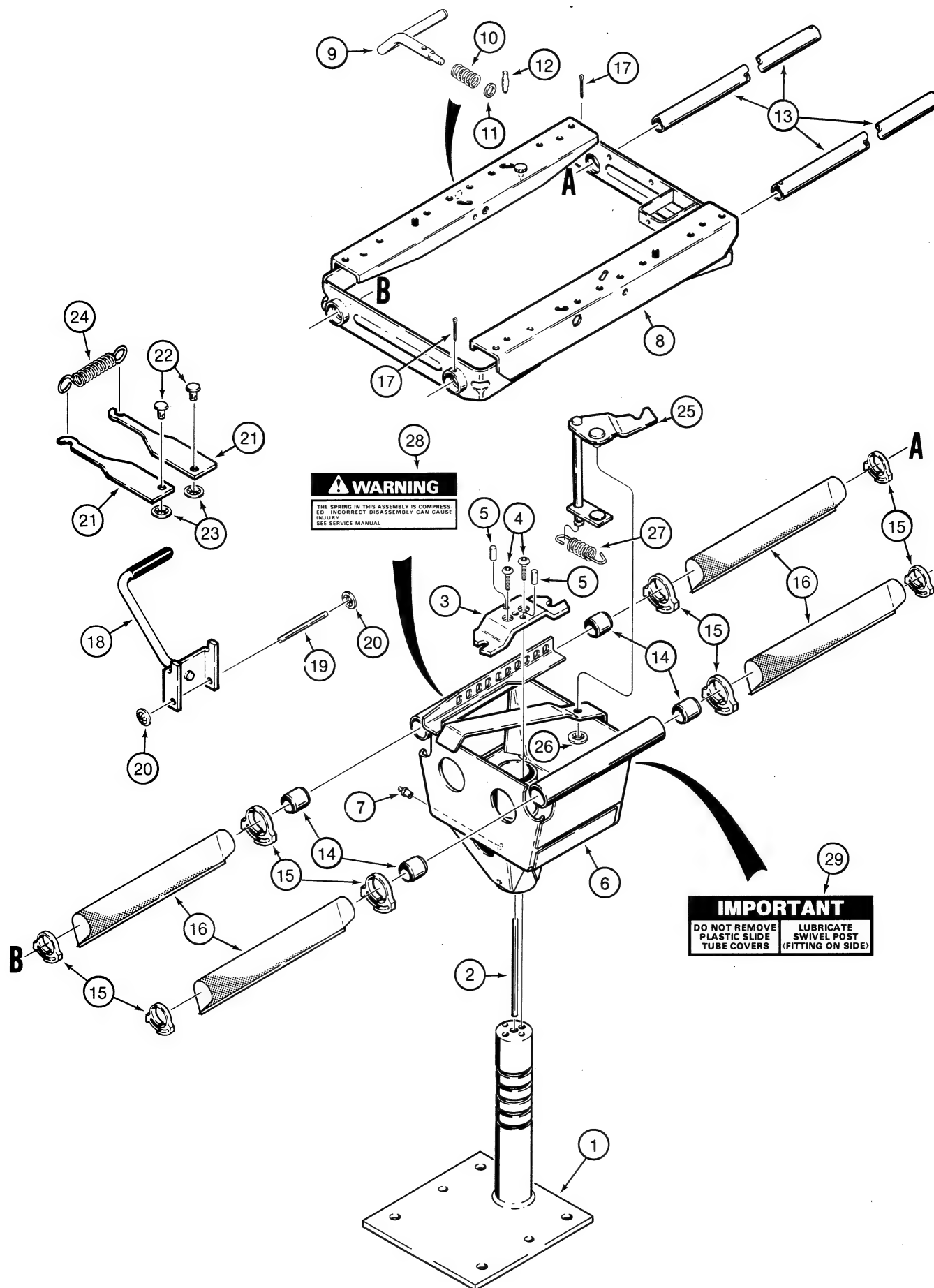
580 Super K Construction King Loader Backhoe
***SUSPENSION SEAT ASSEMBLIES**

9-117

REF.	PART NO.	DESCRIPTION	REQD.
	REF	SEAT ASSEMBLY - suspension, continued from previous page.....	1
	N14852	FRAME ASSEMBLY - seat, continued from previous page	1
26	N14326	BRACKET - latch, upper, backrest adjustment.....	1
27	N14327	BRACKET - latch, lower, backrest adjustment	1
28	N14335	SPRING - torsion, backrest	1
29	N14333	PIN - backrest latch.....	1
30	D95092	RING - C-type, retaining (replaces N14331).....	1
31	N14336	NUT - push-on type, special	1
32	131-435	NUT - push-on type, 3/8 inch.....	2
33	N14337	SPRING - extension.....	1

NOTE: Also includes items 30A through 40 on page 9-123.
 See page 9-125 for armrests.

***NOTE:** Also see page 9-125F for suspension seat assemblies.

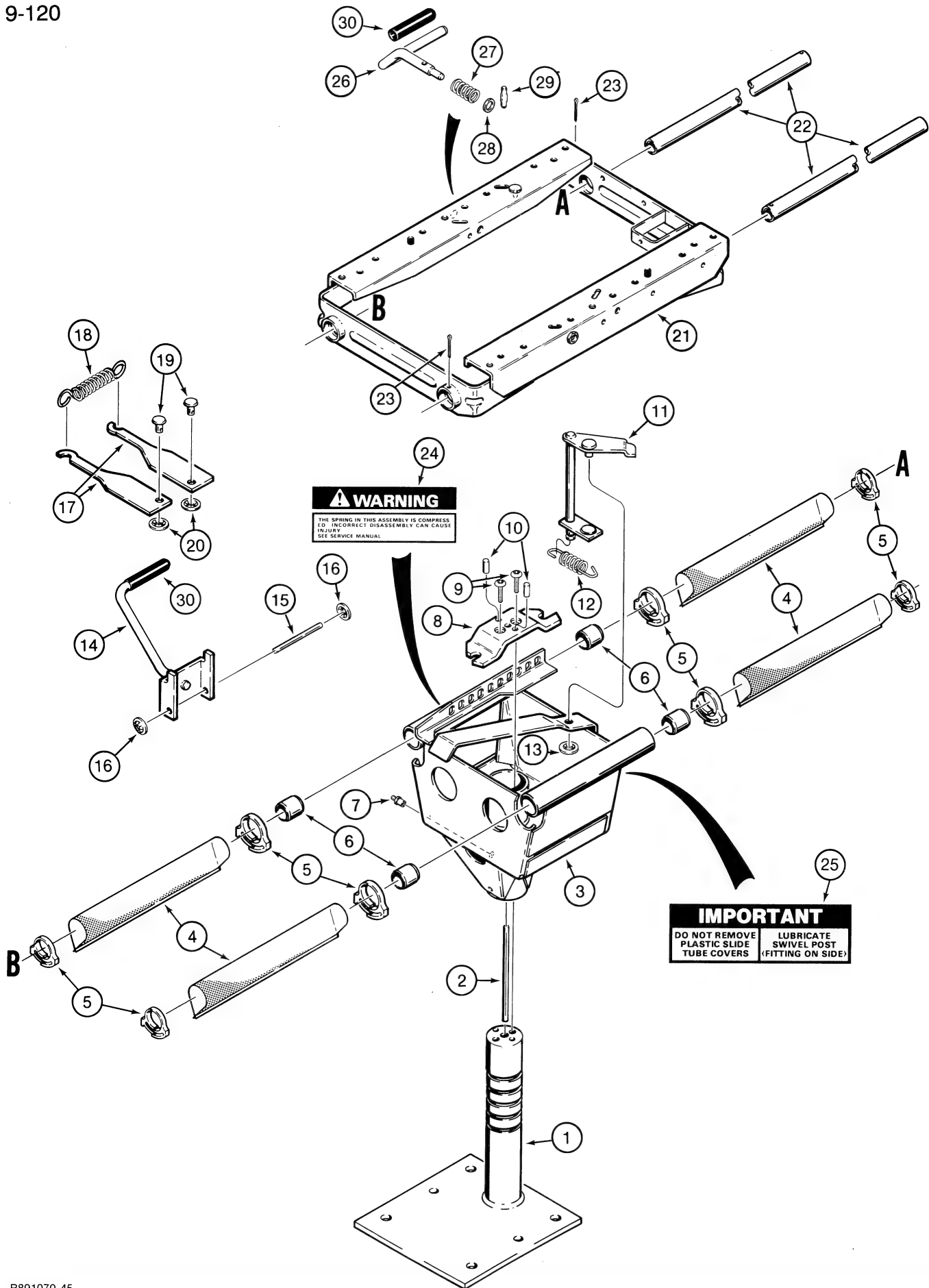


580 Super K Construction King Loader Backhoe
STANDARD SEAT SUPPORT

9-119

REF.	PART NO.	DESCRIPTION	REQ'D.
	D147644	SUPPORT ASSEMBLY - D123196 standard seat	1
1	N14289	BASE - seat support	1
2	N8340	SHAFT - seat support	1
3	*NSS	LATCH - seat swivel	1
4	*164-407	BOLT - hex socket button head, 5/16 NC x 1/2 inch, grade 8	2
5	*435-11012	PIN - groove, 5/16 x 3/4 inch	2
6	N14290	RISER - seat support	1
7	219-16	FITTING - grease, straight, 5/16 drive type x 19/32 inch	1
8	N14291	SLIDE - seat	1
9	D144387	HANDLE - slide release, side mounted	1
10	D144430	SPRING - compression	1
11	D144431	WASHER - flat, special	1
12	D144432	PIN - slide lock	1
13	N14292	TUBE - slide	2
14	N6950	BEARING - slide tube	4
15	N14105	CLAMP - bellows	8
16	D147877	BELLOWS - slide tube	4
17	432-824	PIN - cotter, 1/8 x 1-1/2 inch	2
18	N14294	HANDLE - seat height adjustment	1
19	N6962	SHAFT - pivot	1
20	131-434	NUT - push-on type, 5/16 inch	2
21	N6963	LATCH - seat height adjustment	2
22	N6964	PIN - latch	2
23	131-435	NUT - push-on type, 3/8 inch	2
24	N6970	SPRING - latch, seat height adjustment	1
25	*NSS	LEVER - seat swivel	1
26	*131-435	NUT - push-on type, 3/8 inch	1
27	*D145790	SPRING - seat swivel, 2-3/8 inch long (replaces N8341)	1
28	321-6774	DECAL - Warning, the spring in this assembly is compressed, see page 9-171, item 30, for decal	1
29	N14295	DECAL - Important, do not remove plastic slide tube covers, lubricate swivel post, see page 9-171, item 29, for decal	1
	*D147776	KIT - latch, includes above items marked with as asterisk	1

NOTE: For seat support used with the optional suspension seat, see page 9-121.

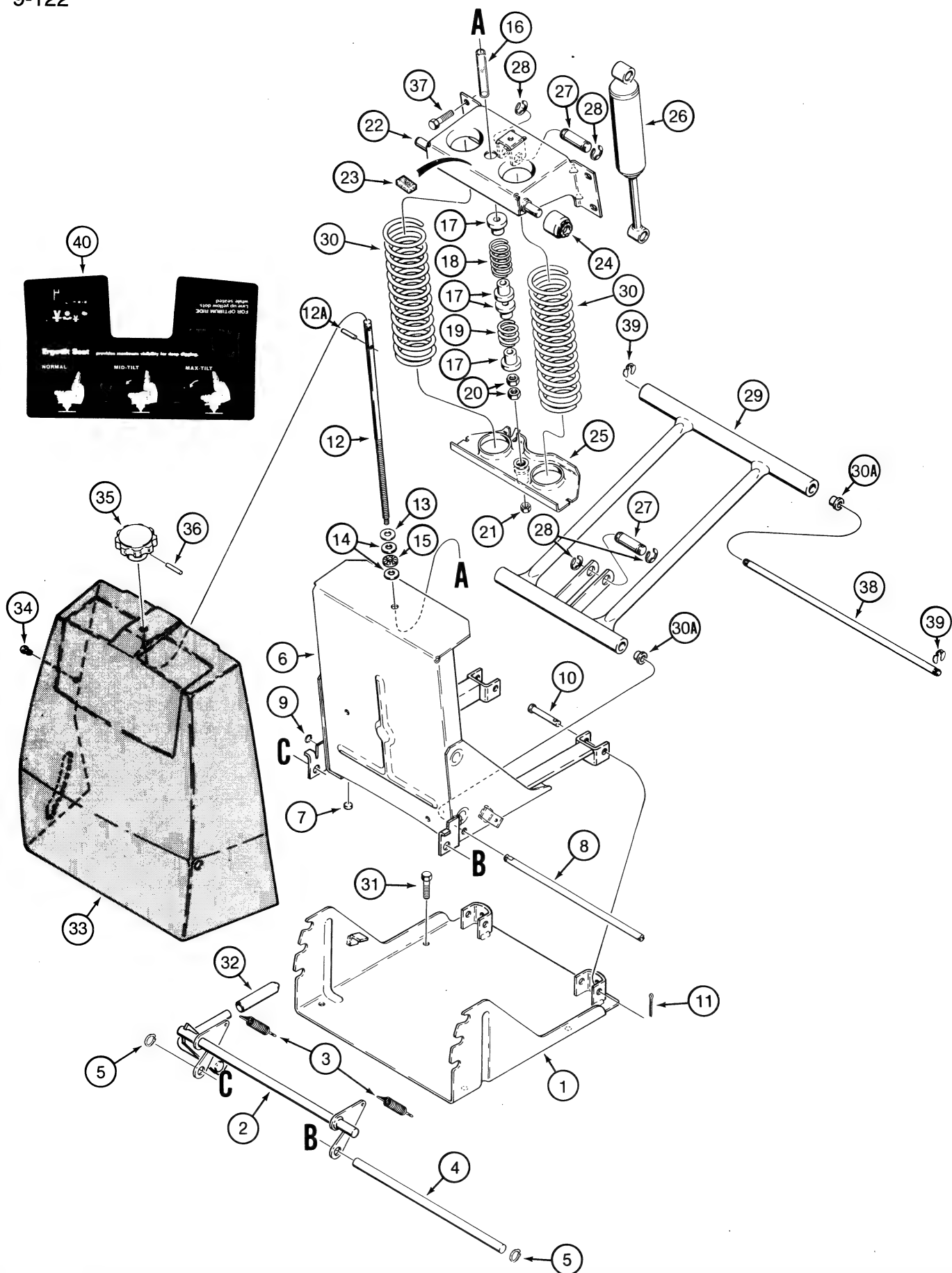


580 Super K Construction King Loader Backhoe
SUSPENSION SEAT SUPPORT

9-121

REF.	PART NO.	DESCRIPTION	REQ'D.
	D147655	SUPPORT ASSEMBLY - suspension seat, see page 9-109 for seat options	1
1	N14299	BASE - seat support	1
2	N14300	SHAFT - seat support	1
3	N14301	RISER - seat support	1
4	D147877	BELLOWS - slide tube.....	4
5	N14105	CLAMP - bellows.....	8
6	N6950	BEARING - slide tube.....	4
7	219-16	FITTING - grease, straight, 5/16 drive type x 19/32 inch	1
8	*NSS	LATCH - seat swivel	1
9	*461-7318	BOLT - hex socket button head, 5/16 NC x 1/2 inch	2
10	*435-11012	PIN - groove, 5/16 x 3/4 inch.....	2
11	*NSS	LEVER - seat swivel	1
12	*N8341	SPRING - seat swivel	1
13	*131-435	NUT - push-on type, 3/8 inch	1
14	N14294	HANDLE - seat height adjustment.....	1
15	N6962	SHAFT - pivot.....	1
16	131-434	NUT - push-on type, 5/16 inch	2
17	N6963	LATCH - seat height adjustment.....	2
18	N6970	SPRING - latch, seat height adjustment	1
19	N6964	PIN - latch.....	2
20	131-435	NUT - push-on type, 3/8 inch	2
21	N14302	SLIDE - seat	1
22	N14305	TUBE - slide	2
23	432-824	PIN - cotter, 1/8 x 1-1/2 inch.....	2
24	321-6774	DECAL - Warning, the spring in this assembly is compressed, see page 9-171, item 30, for decal	1
25	N14295	DECAL - Important, do not remove plastic slide tube covers, lubricate swivel post, see page 9-171, item 29, for decal	1
26	D144387	HANDLE- slide release, side mounted	1
27	D144430	SPRING - compression	1
28	D144431	WASHER - flat, special.....	1
29	D144432	PIN - slide lock	1
30	N14311	GRIP - seat levers, included with seat assembly.....	2
	*D147775	KIT - latch, includes above items marked with an asterisk	1

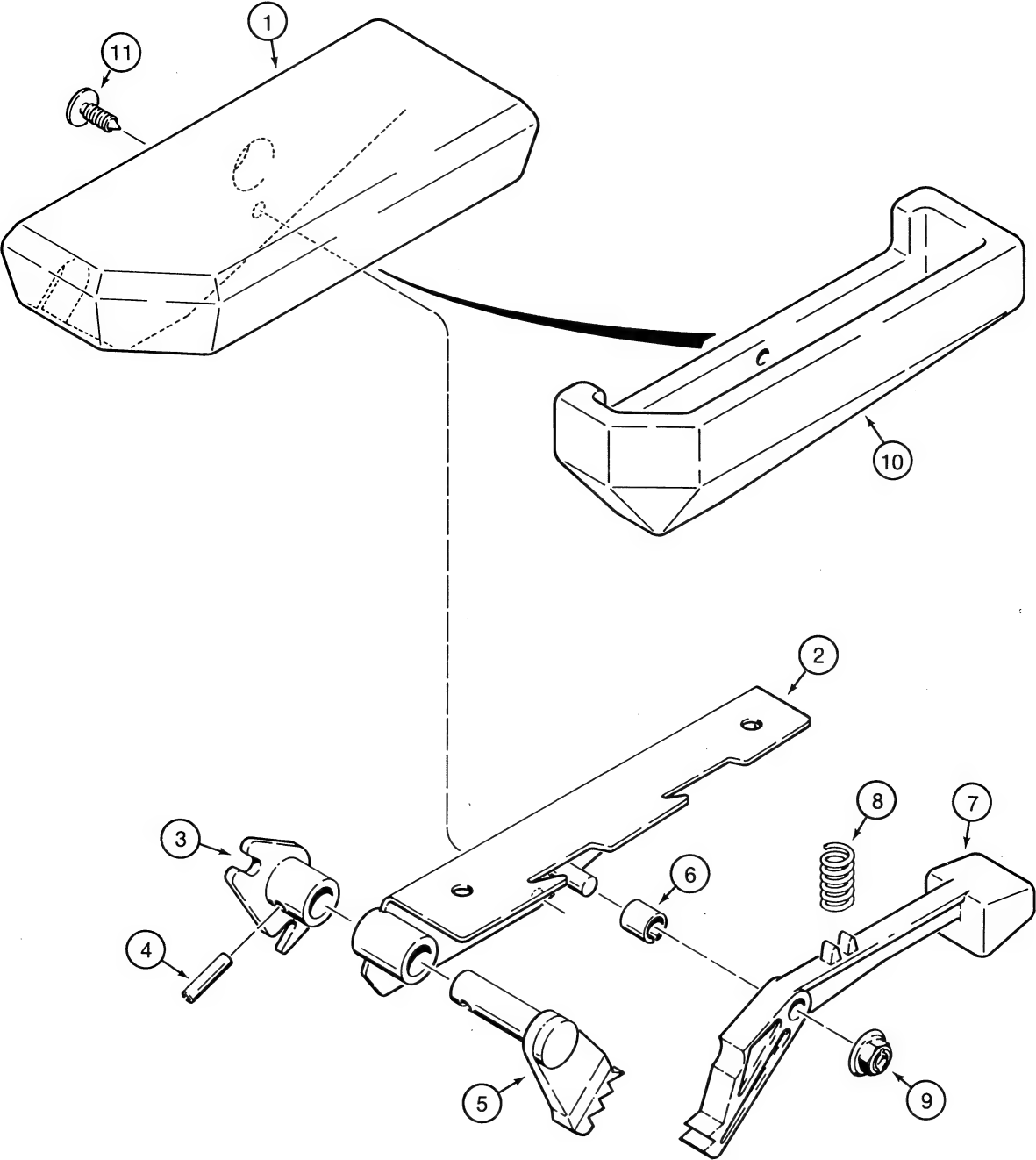
NOTE: For seat support used with the standard seat,
see page 9-119.



580 Super K Construction King Loader Backhoe SUSPENSION SEAT ADJUSTER ASSEMBLY

9-123

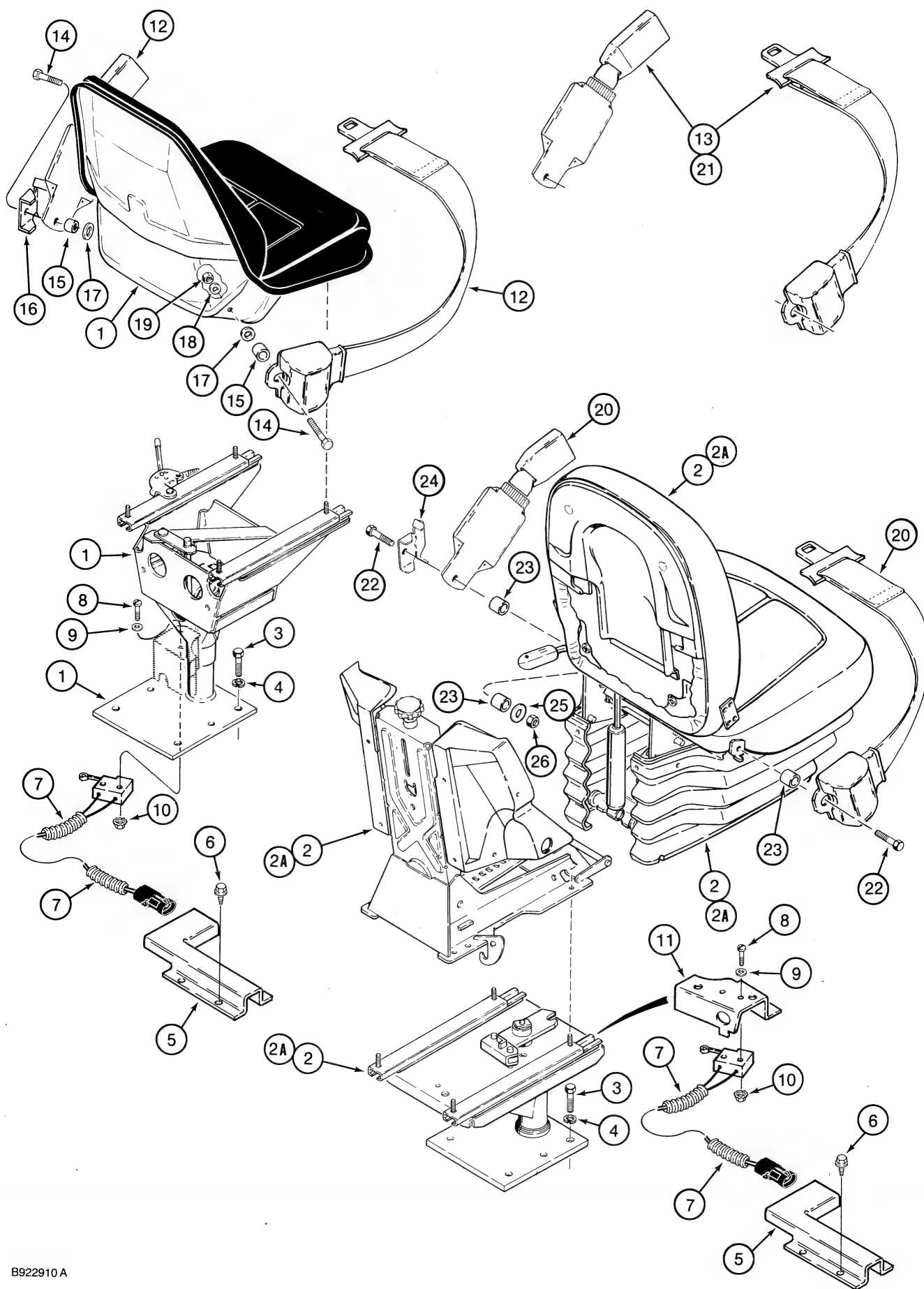
REF.	PART NO.	DESCRIPTION	REQ'D.
	N14297	ADJUSTER ASSEMBLY - suspension seat, see page 9-109	
		for seat options	1
1	NSS	BASE - support.....	1
2	N14310	LEVER - seat tilt.....	1
3	N9240	SPRING - extension.....	2
4	N9242	SHAFT - rear, seat tilt lever (replaces N14312).....	1
5	N14313	RING - snap, shaft retaining	2
6	NSS	HOUSING - adjuster assembly	1
7	N14316	BUMPER - housing	2
8	N8492	SHAFT - seat adjuster arm, rear	1
9	N14306	RING - snap, shaft retaining	1
10	N14309	PIN - clevis, housing to base	2
11	432-824	PIN - cotter, 1/8 x 1-1/2 inch.....	2
12	N14307	SCREW - adjusting, seat.....	1
12A	D144457	PIN - spring	1
13	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch.....	1
14	N8502	WASHER - thrust, adjuster knob.....	2
15	F13537	BEARING - thrust, adjuster knob.....	1
16	N8501	SPACER - 7/16 x 9/16 x 3-1/64 inch, vinyl, seat adjuster	1
17	N8495	SEAT - springs, seat adjuster	4
18	N8496	SPRING - compression, upper, seat adjuster	1
19	N8494	SPRING - compression, lower, seat adjuster	1
20	N8497	NUT - special, seat adjuster, upper.....	2
21	131-1280	NUT - hex, jam, self-locking, 1/4 inch NC.....	1
22	NSS	BRACKET - springs, upper	1
23	N8484	BUMPER - rubber.....	1
24	N8500	ROLLER - upper bracket, seat adjustment.....	2
25	NSS	BRACKET - springs, lower	1
26	N8488	ABSORBER - shock, adjuster assembly	1
27	N8485	PIN - shock absorber mounting.....	2
28	100-3362	RING - retaining, pin	4
29	NSS	ARM - seat adjuster	1
30	N8498	SPRING - compression.....	2
30A	N13754	BEARING - flanged	4
31	113-118	BOLT - hex, 5/16 NC x 5/8 inch	4
32	N14311	HANDLE - seat tilt lever	1
33	N14314	COVER - shroud, housing	1
34	N8487	RIVET - plastic, yellow, weight indicator.....	1
35	N14308	KNOB - seat adjuster.....	1
36	138-75	PIN - roll, 5/32 inch x 7/8 inch.....	1
37	113-118	BOLT - hex, 5/16 NC x 5/8 inch	4
38	N14430	SHAFT - seat adjuster arm, front.....	1
39	D95093	RING - shaft retaining	2
40	N14315	DECAL - seat tilt adjustment, item 28 shown on page 9-171	1



***ARMRESTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	N14853	ARMREST ASSEMBLY - D147689 or D147690 seat, left-hand, not shown, no longer available, order 101577A1 armrest.....	1
	N14854	ARMREST ASSEMBLY - D147689 or D147690 seat, right-hand, no longer available, order 101578A1 armrest.....	1
	101577A1	ARMREST ASSEMBLY - 101795A1 or 101796A1 seat, left-hand, not shown.....	1
	101578A1	ARMREST ASSEMBLY - 101795A1 or 101796A1 seat, right-hand, not shown.....	1
1	N14861	ARMREST - lower, retainer, right-hand.....	1
1A	N14855	ARMREST - lower, retainer, left-hand, not shown.....	1
	N14856	RETAINER ASSEMBLY - armrest, left-hand, not shown, includes items 2-5A, no longer available, order 101575A1 retainer.....	1
	N14862	RETAINER ASSEMBLY - armrest, right-hand, includes items 2-5A, no longer available, order 101576A1 retainer.....	1
	101575A1	RETAINER - complete, does not disassemble, 101577A1 armrest, left-hand, component parts not serviced separately.....	1
	101576A1	RETAINER - complete, does not disassemble, 101578A1 armrest, right-hand, component parts not serviced separately.....	1
2	NSS	RETAINER - armrest.....	1
3	D149164	BRACKET - retainer mounting, right hand, no longer available, order 101576A1 retainer.....	1
3A	D149163	BRACKET - retainer mounting, left-hand, not shown, no longer available, order 101575A1 retainer.....	1
4	138-134	PIN - roll, 1/4 x 1 inch.....	1
5	D149162	LEVER - stop, right-hand, no longer available, order 101576A1 retainer.....	1
5A	D149161	LEVER - stop, left-hand, not shown, no longer available, order 101575A1 retainer.....	1
6	N14857	SPACER - split.....	1
7	N14858	LATCH - lever, armrest.....	1
8	N14859	SPRING - compression.....	1
9	131-435	NUT - push-on type, 3/8 inch.....	1
10	N14863	COVER - armrest, upper, right-hand.....	1
10A	N14860	COVER - armrest, upper, left-hand, not shown.....	1
11	N14323	RETAINER - brown, plastic.....	1

***NOTE:** Also see page 9-125M for armrests.



***SEATS AND MOUNTING PARTS**

REF.	PART NO.	DESCRIPTION	REQD.
1	102796A2	SEAT ASSEMBLY - standard, vinyl, includes seat, pedestal, and support, see parts list page 9-125D for seat and page 9-125H for support and pedestal (replaces 102796A1).....	1
2	102795A2	SEAT ASSEMBLY - suspension, cloth, includes seat, armrests, suspension, pedestal, and weight adjuster, see parts list pages 9-125F for seat, page 9-125K for pedestal, weight adjuster, and suspension, and page 9-125M for armrests (replaces 102795A1).....	1
2A	108114A2	SEAT ASSEMBLY - suspension, vinyl, includes seat, armrests, suspension, pedestal, and weight adjuster, see parts list pages 9-125F for seat, page 9-125K for pedestal, weight adjuster, and suspension, and page 9-125M for armrests (replaces 108114A1).1	1
3	413-824	BOLT - hex, 1/2 NC x 1-1/2 inch, standard or suspension seat	4
4	492-11050	WASHER - lock, 1/2 inch, standard or suspension seat	4
5	118593A1	GUARD - seat switch harness.....	1
6	281-1478	SCREW - self-tapping, hex washer head, 1/4 NC x 1/2 inch	4
7	118769A1	SWITCH - limit, with harness, attaches to side console harness.....	1
8	470-10620	SCREW - machine, pan head slotted, No. 6 NC x 1-1/4 inch.....	2
9	495-31016	WASHER - flat, 5/32 x 3/8 x 3/64 inch	2
10	193-1003	NUT - hex, with external tooth lock washer, No. 6 NC	2
11	119211A1	BRACKET - switch mounting, suspension seat only	1

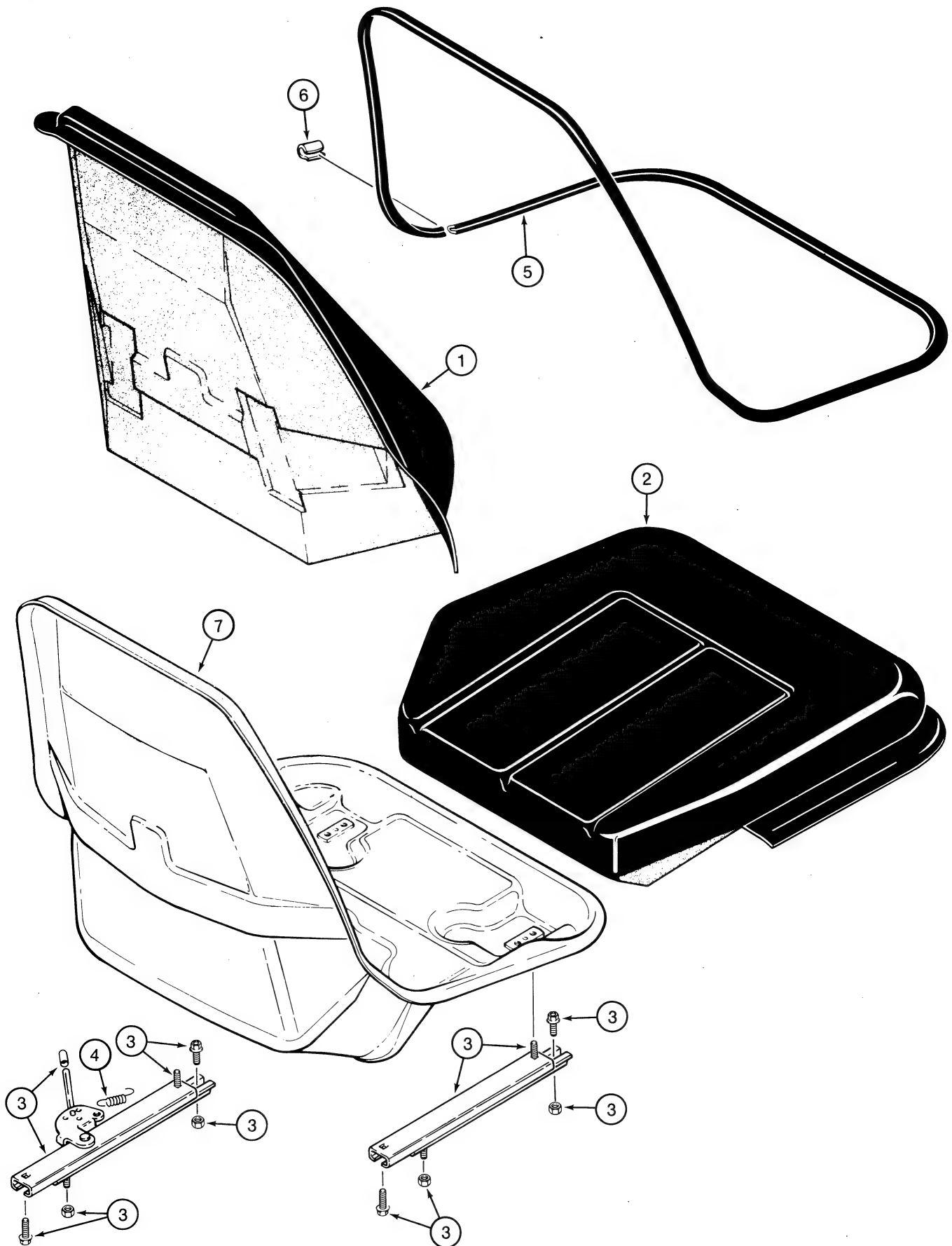
SEAT BELT MOUNTING - STANDARD SEAT

12	D150377	BELT - 2 inch wide, if used	1
13	R58418	BELT - 3 inch wide, if used (replaces 109518A1).....	1
14	414-724	BOLT - hex, 7/16 NF x 1-1/2 inch.....	2
15	D150391	SPACER - belt.....	2
16	D150392	BRACKET - left-hand belt	1
17	495-81169	WASHER - flat, 17/32 x 2-1/2 x 1/8 inch	2
18	496-81010	WASHER - flat, 15/32 x 1 x 7/64 inch, hardened	2
19	131-1247	NUT - hex, self-locking, 7/16 inch NF	2

SEAT BELT MOUNTING - SUSPENSION SEAT

20	D150377	BELT - 2 inch wide, if used	1
21	R58418	BELT - 3 inch wide, if used (replaces 109518A1).....	1
22	414-728	BOLT - hex, 7/16 NF x 1-3/4 inch.....	2
23	D150391	SPACER - belt.....	4
24	D150392	BRACKET - left-hand belt	1
25	495-81267	WASHER - flat, 15/32 x 1-1/2 x 5/32 inch	2
26	131-1247	NUT - hex, self-locking, 7/16 inch NF	2

***NOTE:** Also see page 9-109 for seat assemblies.

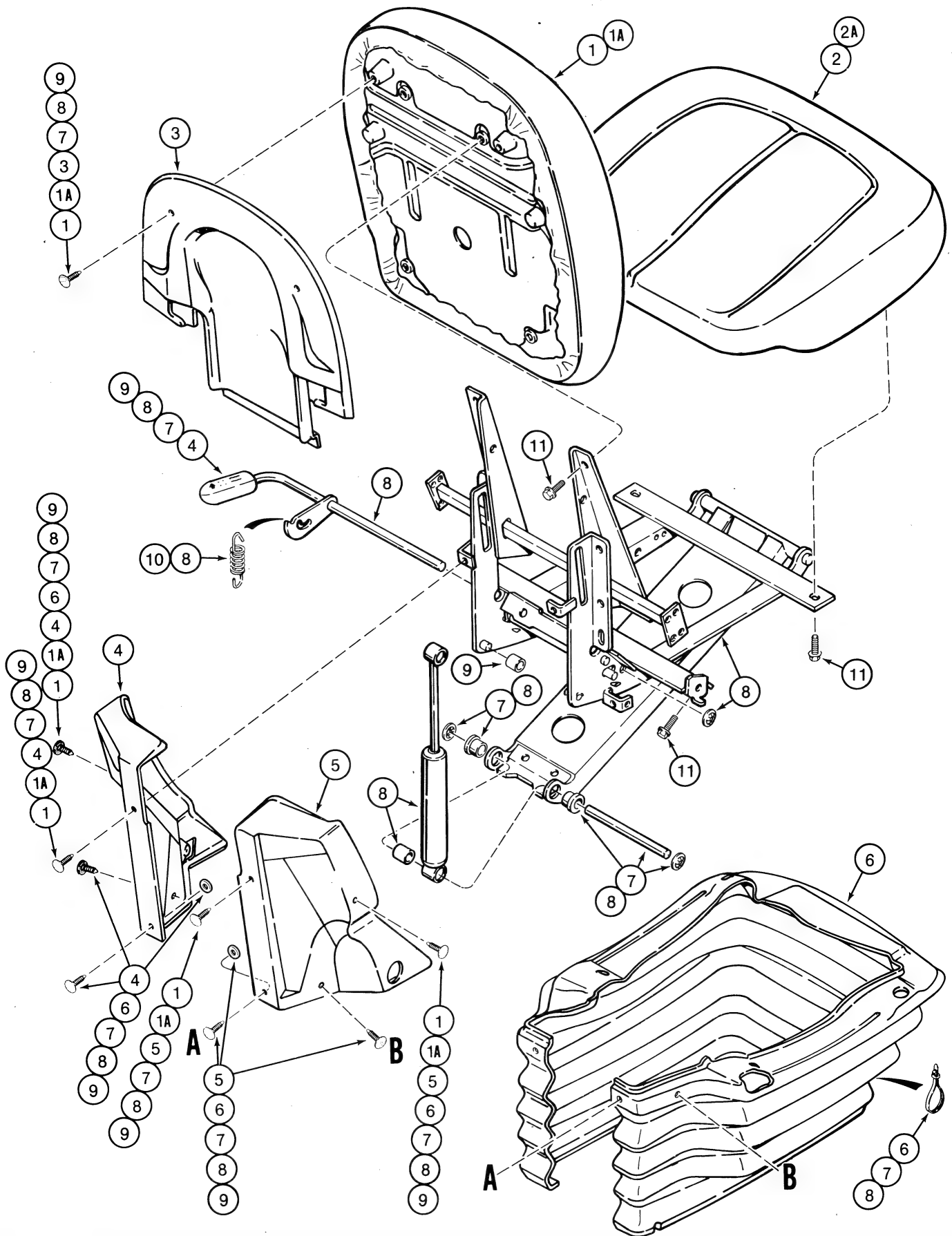


***STANDARD SEAT ASSEMBLY**

REF.	PART NO.	DESCRIPTION	REQD.
	102796A2	SEAT ASSEMBLY - standard, vinyl, includes seat below and support and pedestal on page 9-125H, individual component parts not serviced separately, for service order respective component kits, see page 9-125H for standard support and pedestal (replaces 102796A1).....	1
1	116762A1	KIT - backrest cushion	1
2	116765A1	KIT - seat cushion	1
3	116760A1	KIT - adjuster, seat slide, fore/aft.....	1
4	119171A1	KIT - spring, seat adjuster slide, also includes vertical latch and extension springs used in the standard pedestal on page 9-125H.....	1
5	N14614	RETAINER - strip, cushion to shell.....	1
6	NSS	CLIP - retainer, order N7802 clip kit, see below	1
7	NSS	SHELL - seat frame, order 102796A1 complete seat assembly	1
	N7802	KIT - clip, includes item 5 clip above, plus 6 additional narrow clips	1

NOTE: Each kit includes an instruction sheet.

***NOTE:** Also see page 9-113 for standard seat.



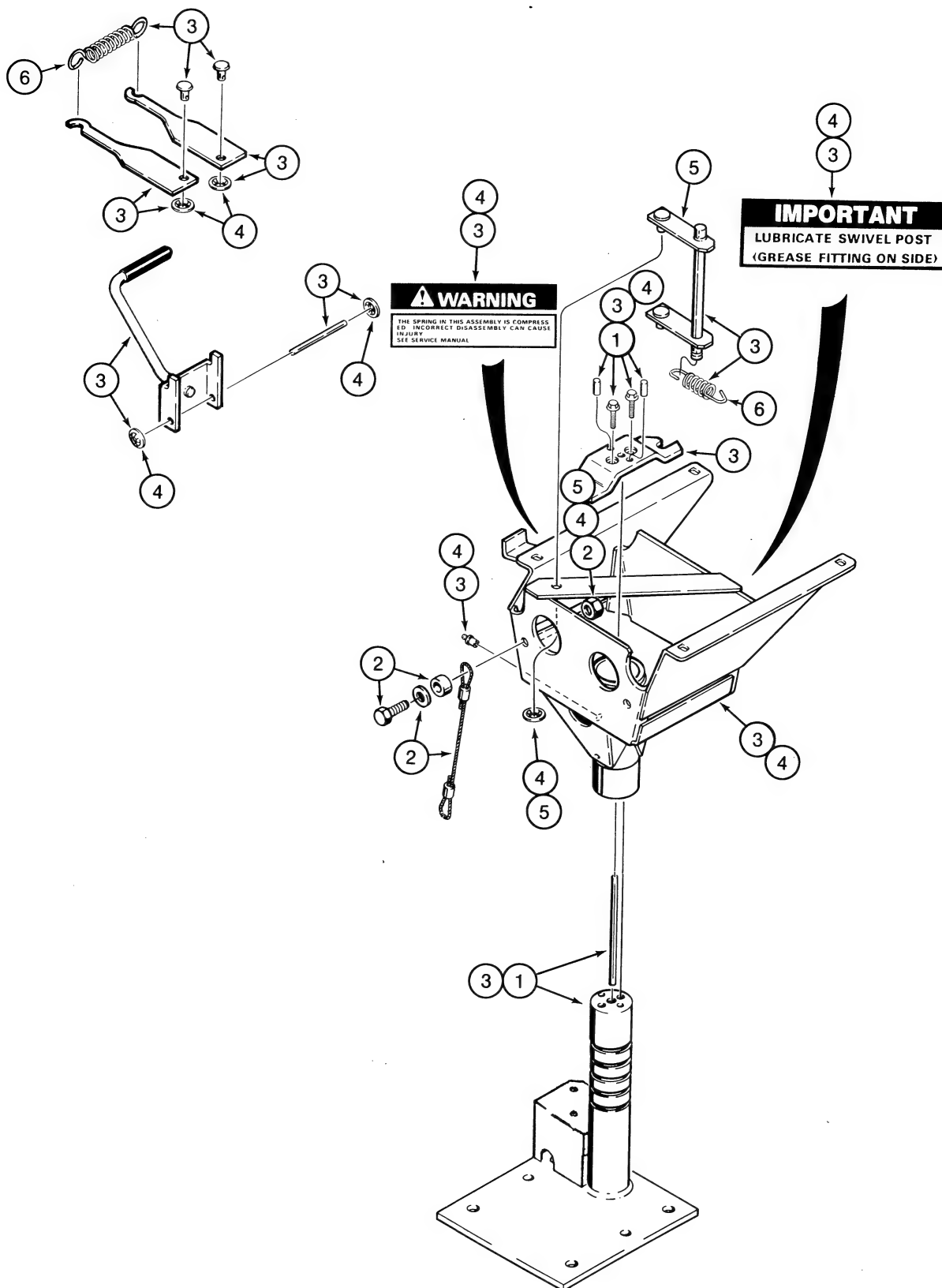
580 Super K Construction King Loader Backhoe
***SUSPENSION SEAT ASSEMBLIES**

9-125F

REF.	PART NO.	DESCRIPTION	REQD.
	102795A2	SEAT ASSEMBLY - suspension, cloth, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125K and 9-125M, individual component parts not serviced separately, for service order respective component kits (replaces 102795A1).....	1
	108114A2	SEAT ASSEMBLY - suspension, vinyl, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125K and 9-125M, individual component parts not serviced separately, for service order respective component kits (replaces 108114A1).....	1
1	116528A1	KIT - backrest cushion, cloth, 102795A1 or 102795A2 seat.....	1
1A	116531A1	KIT - backrest cushion, vinyl, 108114A1 or 108114A2 seat	1
2	116540A1	KIT - seat cushion, cloth, 102795A1 or 102795A2 seat.....	1
2A	116541A1	KIT - seat cushion, vinyl, 108114A1 or 108114A2 seat	1
3	116542A1	KIT - backrest shroud.....	1
4	116543A1	KIT - left-hand shroud	1
5	116544A1	KIT - right-hand shroud.....	1
6	116532A1	KIT - boot, rubber.....	1
7	116536A1	KIT - swing arm pivot shaft.....	1
8	116549A1	KIT - suspension, includes parts from seat frame to adjuster slides, see additional kit parts on page 9-125K, item 1	1
9	116539A1	KIT - plastic components, also see additional kit parts on page 9-125K, item 2	1
10	116547A1	KIT - height adjusting spring, also includes (10) shroud plastic retainers, see additional kit parts on page 9-125K, item 6.....	1
11	NSS	BOLT - 5/16 inch thread, length as needed, purchase locally, seat cushion and backrest	8

NOTE: Each kit includes an instruction sheet.

***NOTE:** Also see page 9-115 and 9-117 for suspension seats.



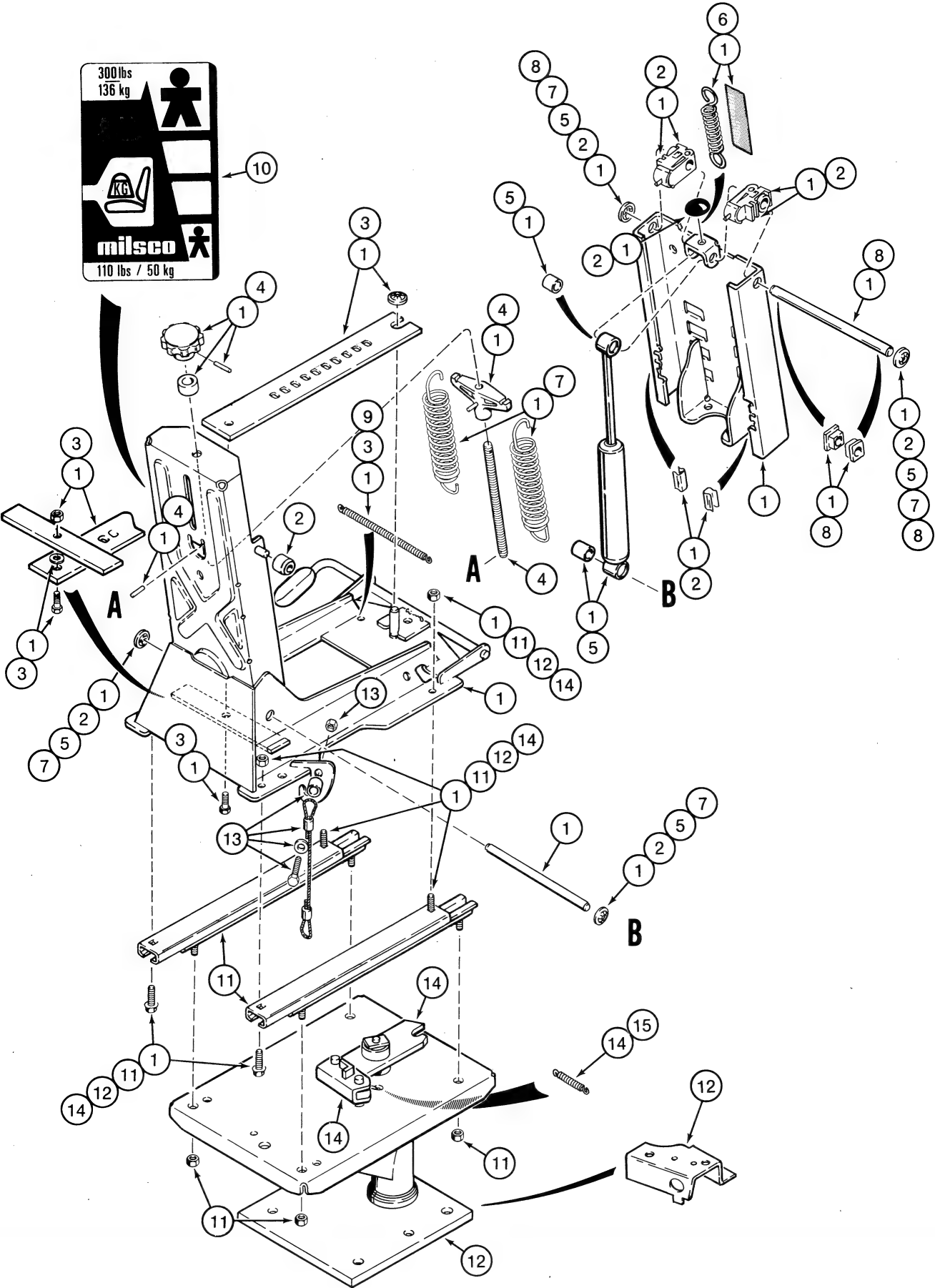
**580 Super K Construction King Loader Backhoe
STANDARD SEAT SUPPORT AND PEDESTAL**

9-125H

REF.	PART NO.	DESCRIPTION	REQD.
	102796A2	SEAT ASSEMBLY - standard, vinyl, includes seat on page 9-125D and support and pedestal below, individual component parts not serviced separately, for service order respective kits (replaces 102796A1).....	1
1	*116761A2	KIT - support, base (replaces 116761A1, pedestal base without switch mounting bracket)	1
2	116763A1	KIT - cable, anchor, includes hardware for both ends of cable	1
3	*116764A2	KIT - pedestal (replaces 116764A1, pedestal base without switch mounting bracket)	1
4	*116766A2	KIT - pedestal box (replaces 116766A1)	1
5	*116767A1	KIT - swivel latch	1
6	119171A1	KIT - spring, also includes seat slide adjuster spring on page 9-125D	1

NOTE: Each kit includes an instruction sheet.

***NOTE:** Also includes (4) lock nuts for seat adjuster slide on page 9-125D.

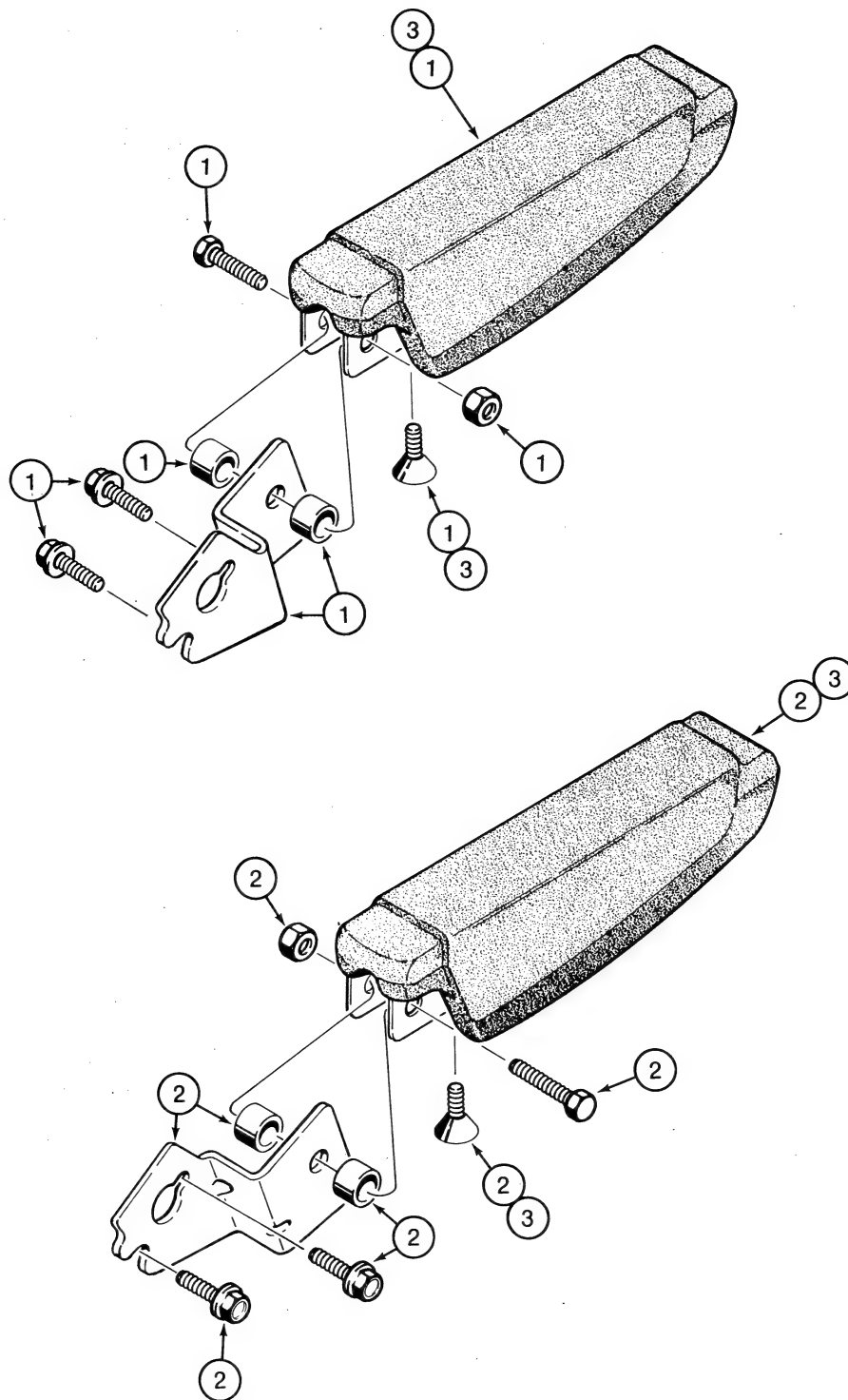


580 Super K Construction King Loader Backhoe **9-125K**
SUSPENSION SEAT PEDESTAL, WEIGHT ADJUSTER, AND SUSPENSION

REF.	PART NO.	DESCRIPTION	REQD.
	102795A2	SEAT ASSEMBLY - suspension, cloth, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125F and 9-125M, individual component parts not serviced separately, for service order respective component kits (replaces 102795A1).....	1
	108114A2	SEAT ASSEMBLY - suspension, vinyl, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125F and 9-125M, individual component parts not serviced separately, for service order respective component kits (replaces 108114A1).....	1
1	116549A1	KIT - suspension, includes parts from seat frame to adjuster slides, see additional parts on page 9-125F, item 8.....	1
2	116539A1	KIT - plastic components, also see additional kit parts on page 9-125F, item 9.....	1
3	116521A1	kit - fore/aft, adjuster latch, also includes tie straps shown on page 9-125F.....	1
4	*116535A1	KIT - weight adjusting, also includes rubber height control handle grip and (10) shroud plastic retainers shown on page 9-125F.....	1
5	*116533A1	KIT - suspension damper, also includes rubber height control handle grip and (10) shroud plastic retainers shown on page 9-125F.....	1
6	116547A1	KIT - height adjusting spring, see additional kit parts on page 9-125F, item 10.....	1
7	*116537A1	KIT - main extension springs, suspension, also includes rubber height control handle grip and (10) shroud plastic retainers shown on page 9-125F.....	1
8	116551A1	KIT - upper suspension tower shaft, also includes (10) shroud plastic retainers and (2) washers shown on page 9-125F.....	1
9	116545A1	KIT - fore/aft latch spring, also includes (2) tie straps shown on page 9-125F.....	1
10	116534A1	KIT - decal, weight	1
11	116522A1	KIT - fore/aft adjuster slides, also includes (2) tie straps shown on page 9-125F.....	1
12	116538A2	KIT - pedestal, seat support, includes 119211A1 switch mounting bracket, item 11 on page 9-125B (replaces 116538A1).....	1
13	116552A1	KIT - cable, includes hardware for both ends of cable.....	1
14	116550A1	KIT - swivel latch bar, pedestal.....	1
15	116548A1	KIT - swivel latch spring only	1

NOTE: Each kit includes an instruction sheet.

***NOTE:** Also includes (10) shroud plastic retainers, (2) washers, and (2) tie straps shown on page 9-125F.

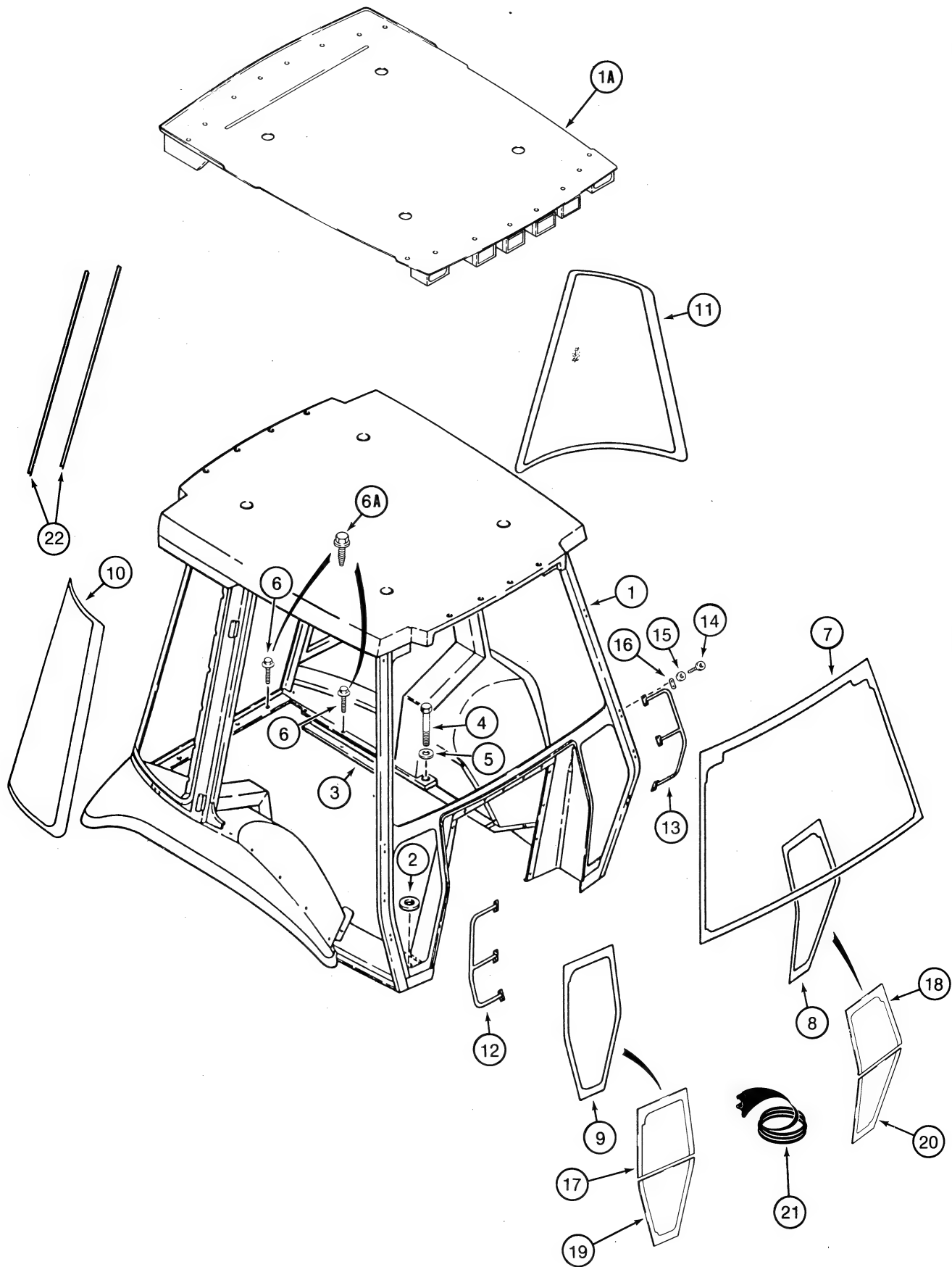


***SUSPENSION SEAT ARMRESTS**

REF.	PART NO.	DESCRIPTION	REQD.
	102795A2	SEAT ASSEMBLY - suspension, cloth, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125F and 9-125K, individual component parts not serviced separately, for service order respective component kits (replaces 102795A1).....	1
	108114A2	SEAT ASSEMBLY - suspension, vinyl, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125F and 9-125K, individual component parts not serviced separately, for service order respective component kits (replaces 108114A1).....	1
1	116523A1	KIT - left-hand armrest and mounting hardware, also includes (1) shroud upper left side plastic retainer, shown on page 9-125F.....	1
2	116524A1	KIT - right-hand armrest and mounting hardware, also includes (1) shroud upper right side plastic retainer, shown on page 9-125F.....	1
3	116759A1	KIT - armrest pad, includes one mounting bolt.....	1

NOTE: Each kit includes an instruction sheet.

***NOTE:** Also see page 9-125 for armrests.

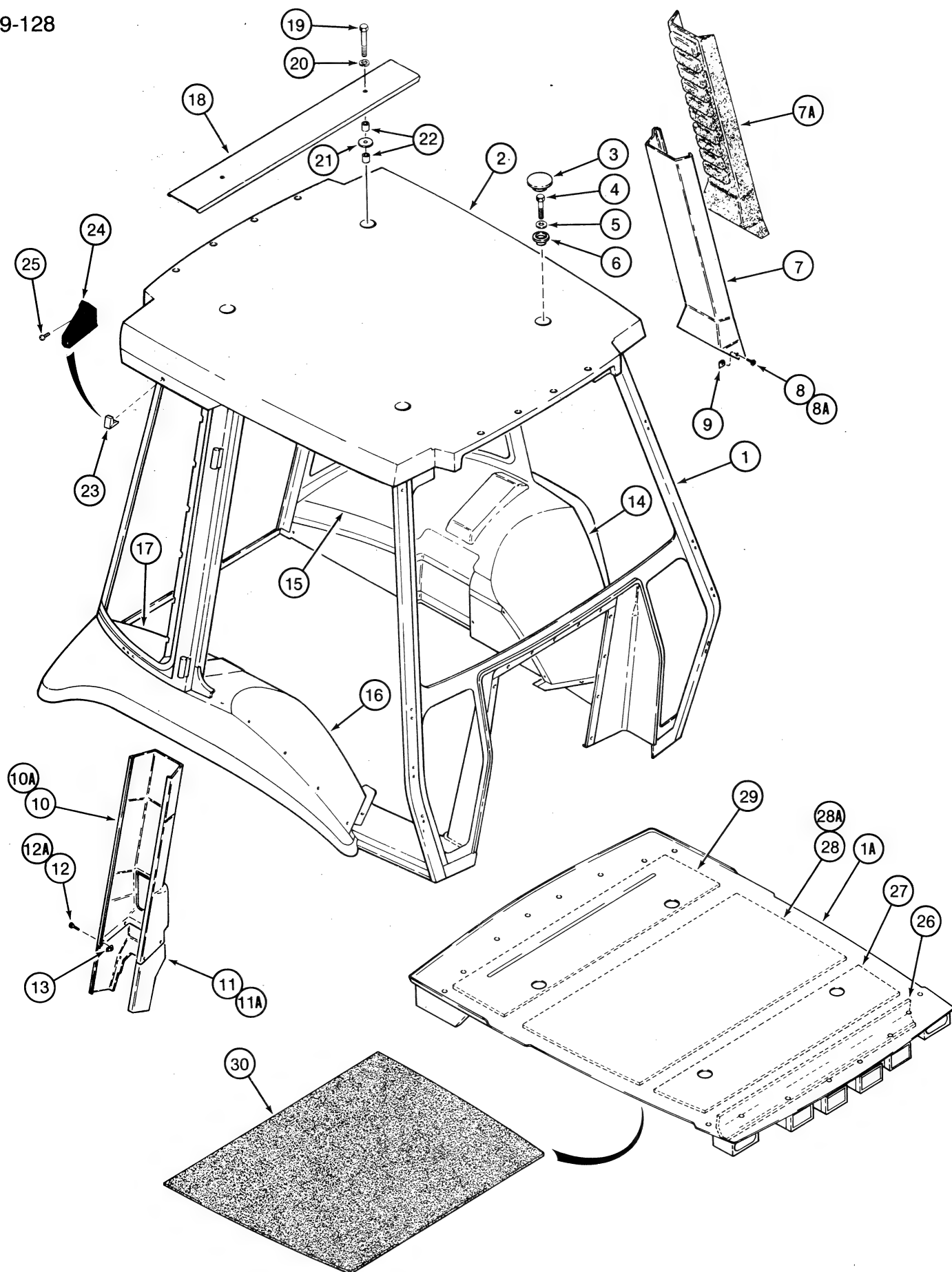


580 Super K Construction King Loader Backhoe ROPS CAB AND MOUNTING PARTS

9-127

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	CAB - ROPS, operators, with plastic roof cap, machinery item, order from Machinery Price List, parts list pages 9-127 thru 9-161	1
1A	REF	CAB - ROPS, operators, without plastic roof cap, machinery item, order from Machinery Price List, parts list pages 9-127 thru 9-161	1
2	495-81259	WASHER - flat, 21/32 x 2 x 1/4 inch, see page 9-97, items 11 and 12, for bolt and insulator	2
3	D90936	SEAL - 112 inch long, adhesive one side, cut from L35819 bulk, rear fender to operator compartment frame.....	2
4	426-1452	BOLT - hex, 7/8 NC x 3-1/4 inch, grade 8	4
5	496-11094	WASHER - flat, 15/16 x 1-3/4 x 1/8 inch	4
6	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch, (replaces D141589 screw), if used.....	11
6A	112865A1	SCREW - pointed, self-aligning, if used	11
7	97290C1	GLASS - front windshield.....	1
8	D131289	GLASS - lower left-hand front window, one-piece, if used	1
9	D131288	GLASS - lower right-hand front window, one-piece, if used.....	1
10	D126204	GLASS - right-hand rear quarter panel window	1
11	D126205	GLASS - left-hand rear quarter panel window.....	1
12	R53960	HANDLE - grab, right-hand, if used	1
13	R53961	HANDLE - grab, left-hand, if used.....	1
14	165-180	BOLT - hex socket, 1/4 NC x 7/8 inch, grade 8, if used	12
15	195-516	WASHER - flat, 1/4 x 9/16 x 1/16 inch, if used	12
16	1971368C1	PLATE - retainer, grab handle, if used	6
17	107230A1	GLASS - knee, upper, right-hand, if used	1
18	107233A1	GLASS - knee, upper, left-hand, if used	1
19	107232A1	GLASS - knee, lower, right-hand, if used.....	1
20	107234A1	GLASS - knee, lower, left-hand, if used	1
21	108513A1	SEAL - 290 mm long, front knee glass, if used	2
22	108963A1	SEAL - trim, left-hand ROPS post, if used	2
	L35819	SEAL - foam rubber, bulk roll, adhesive-back, 1 x 1/8 inch x 50 ft long.....	UAR

***NOTE:** The grab handles are welded to the cab on some models.
There is not a service replacement for those handles.



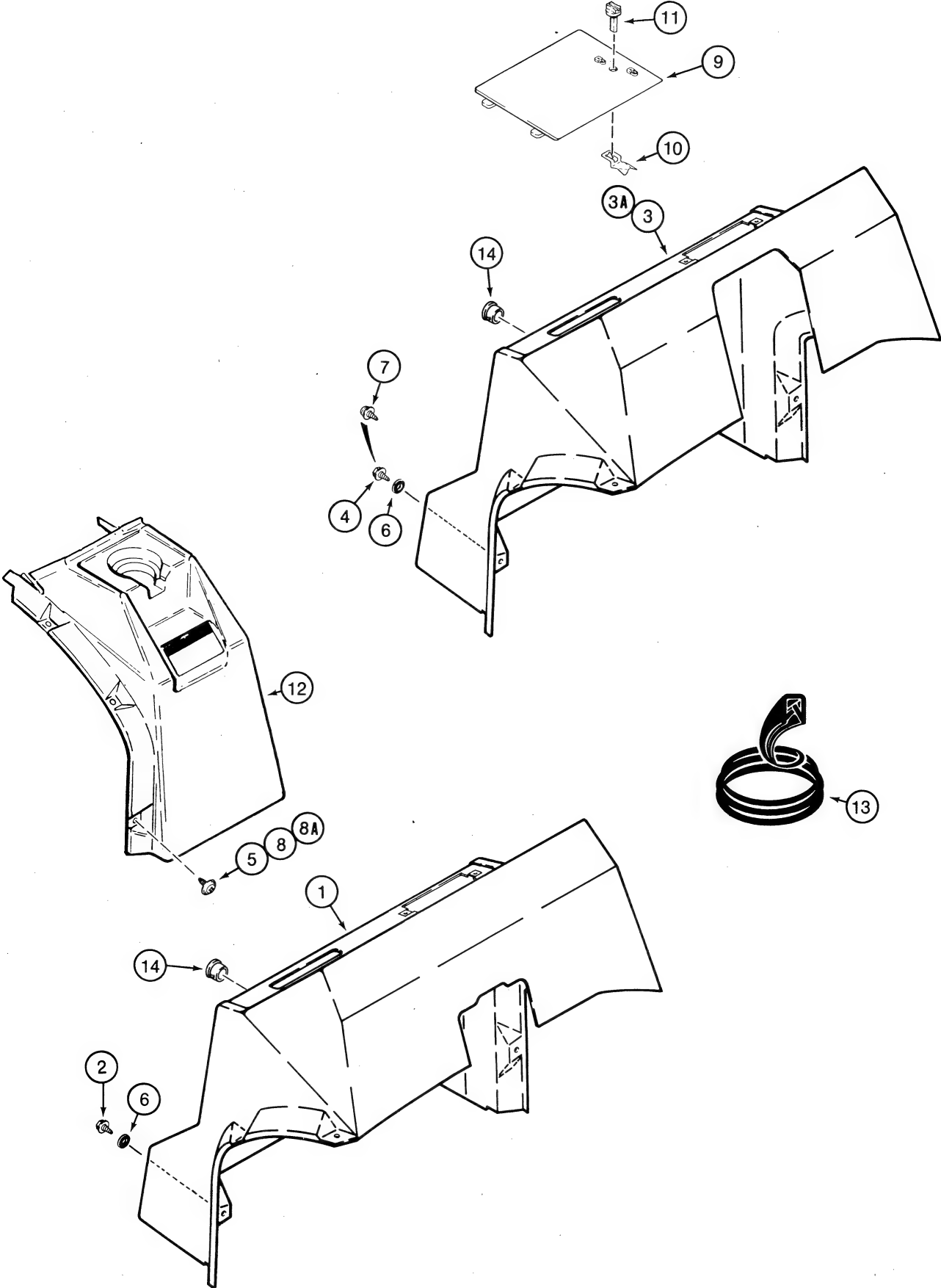
580 Super K Construction King Loader Backhoe CAB FRAME, ROOF CAP, COVERS, AND INSULATION

9-129

REF.	PART NO.	DESCRIPTION	REQD.
1	NSS	FRAME - cab, with plastic roof cap, prior to cab serial number JAB0023786.....	1
1A	NSS	FRAME - cab, without plastic roof cap, cab serial number JAB0023786 and after.....	1
2	R52559	CAP - roof, plastic, if used.....	1
3	R54262	PLUG - 2-5/64 inch (53 mm) diameter, cap mounting holes.....	4
4	113-2460	BOLT - hex, 1/2 NC x 2-1/4 inch.....	4
5	495-21056	WASHER - flat, 9/16 x 1-3/8 x 3/32 inch.....	4
6	1344187C1	SPACER - special.....	4
7	97293C1	COVER - plastic, left-hand post, if used.....	1
7A	D138178	COVER - padded, left-hand post, optional deluxe interior.....	1
8	F64519	SCREW - with washer (order F64315 washer and 265-16512 screw) ...	2
8A	F45174	SCREW - with washer (order F64315 washer and 265-16512 screw), used with optional deluxe interior covers.....	2
9	131-623	NUT - U-type, No. 10 NC.....	2
10	R53851	COVER - plastic, right-hand post, upper.....	1
10A	D138179	COVER - padded, right-hand post, upper, optional deluxe interior.....	1
11	97292C1	COVER - plastic, right-hand post, lower.....	1
11A	D138180	COVER - padded, right-hand post, lower, optional deluxe interior.....	1
12	F64519	SCREW - with washer (order F64315 washer and 265-16512 screw) ...	4
12A	F45174	SCREW - with washer (order F64315 washer and 265-16512 screw), used with optional deluxe interior covers.....	4
13	131-623	NUT - U-type, No. 10 NC.....	4
14	D138181	COVER - padded, left-hand front fender, optional deluxe interior.....	1
15	D138182	COVER - padded, left-hand rear fender, optional deluxe interior.....	1
16	D138183	COVER - padded, right-hand front fender, optional deluxe interior.....	1
17	D138184	COVER - padded, right-hand rear fender, optional deluxe interior.....	1
18	97377C1	PLATE - mounting, used with items 19 through 22, used on cab models with rotating beacon, if used.....	1
19	413-856	BOLT - hex, 1/2 NC x 3-1/2 inch, if used.....	2
20	492-11050	WASHER - lock, 1/2 inch, if used.....	2
21	195-2205	WASHER - flat, 17/32 x 2 x 1/4 inch, if used.....	2
22	D48528	SPACER - mounting plate, if used.....	4
23	1977504C1	BUMPER - rubber, door stop, models with plastic roof cap, if used.....	2
24	119731A1	BUMPER - rubber, door stop, models without plastic roof cap, if used, replaces R53632.....	2
25	140-111	SCREW - machine, pan head Phillips, 1/4 NC x 1/2 inch, used with item 24 bumper, if used.....	2
26	108798A1	PAD - 165 x 813 x 1.6 mm, insulation, blower support, front, vertical, if used, see note.....	1
27	*108794A1	PAD - 152 x 813 x 6.4 mm, insulation, front, if used, see note.....	1
28	*108795A1	PAD - 254 x 813 x 6.4 mm, insulation, center, models with heat and air conditioning, if used, see note.....	1
28A	*108796A1	PAD - 343 x 813 x 6.4 mm, insulation, center, models with heat only, if used, see note.....	1
29	*108797A1	PAD - 200 x 813 x 6.4 mm, insulation, rear, may need to trim the 200 mm dimension to 190 mm on some models, if used, see note.....	1
30	108794A2	PAD - 577 x 813 x 6.4 mm, insulation, used with items 26 and 29, replaces items 27 thru 28A on some models, if used, see note.....	1

NOTE: Used on cab serial number JAB0023786 and after.

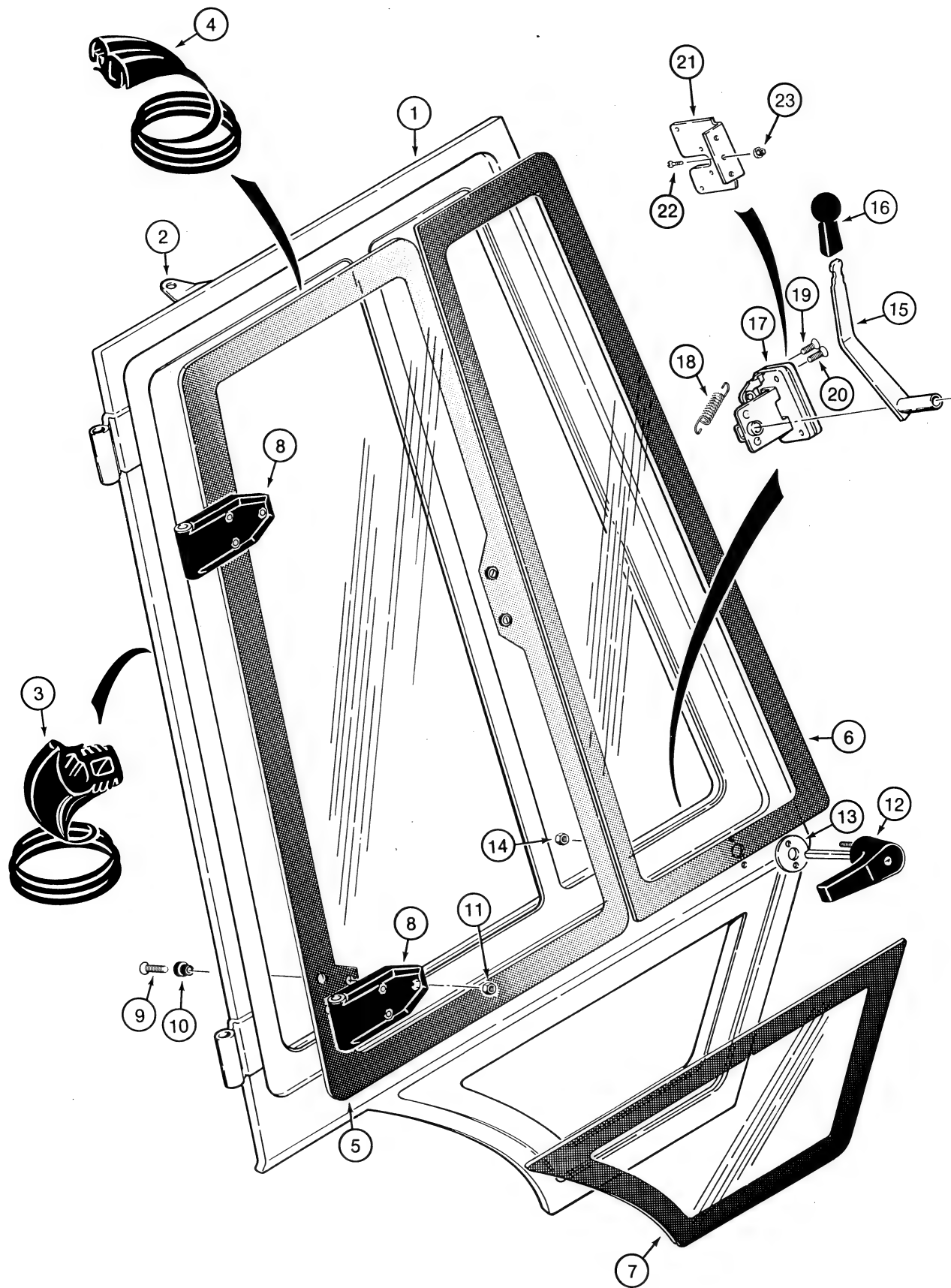
*NOTE: Cut to required length from 108794A2 pad, item 30.



**580 Super K Construction King Loader Backhoe
LEFT-HAND AND RIGHT-HAND CONSOLES
FOR ROPS CAB OR CANOPY MODELS**

9-131

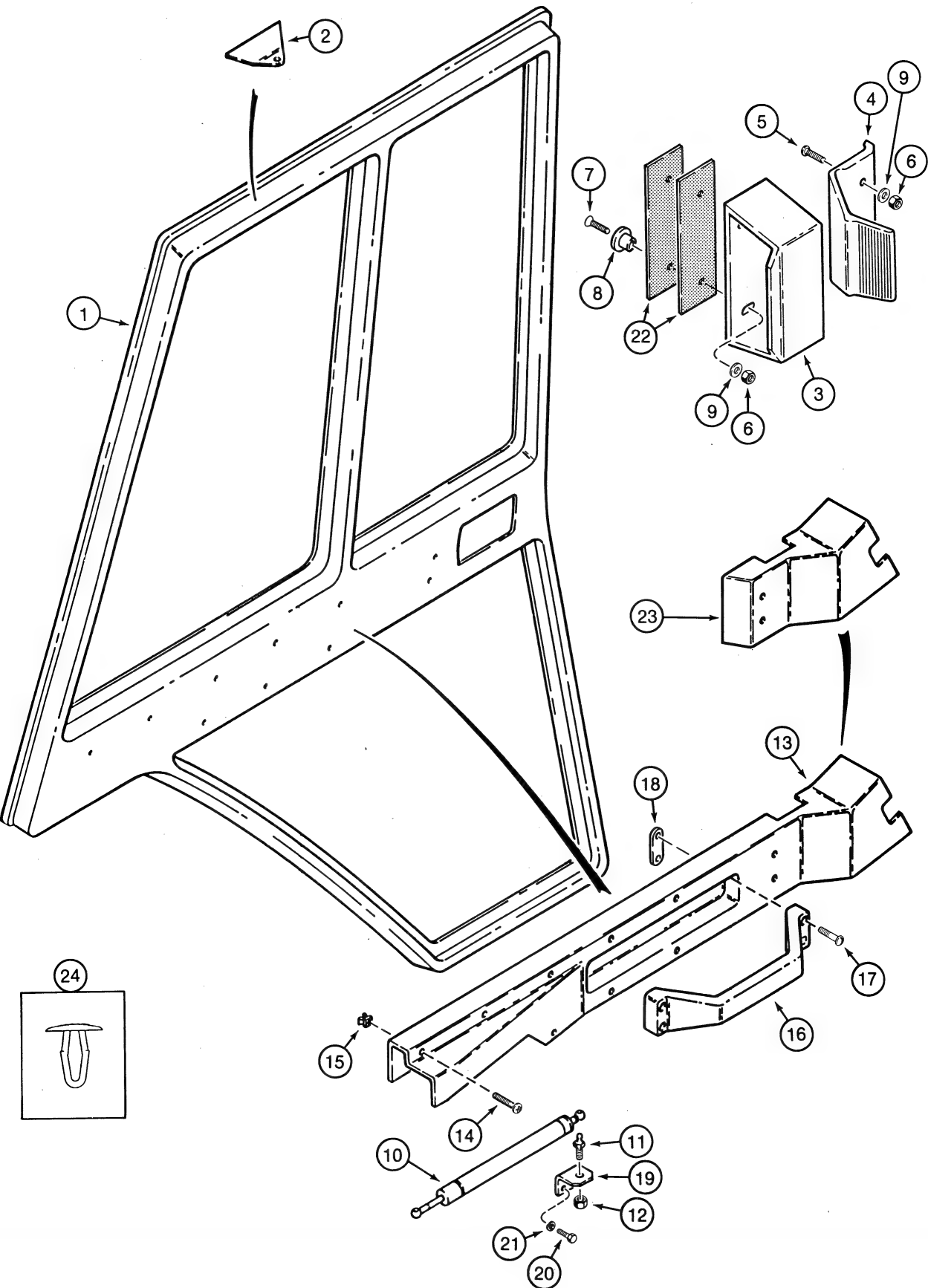
REF.	PART NO.	DESCRIPTION	REQD.
1	117647A1	CONSOLE - side instrument, right-hand, ROPS canopy models only, (replaces D147457 or 102871A1 consoles)	1
2	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch, (replaces 187-575 screw)	6
3	102873A1	CONSOLE - side instrument, right-hand, ROPS cab models only, (replaces D147459 console), used on models without seat alarm	1
3A	117648A1	CONSOLE - side instrument, right-hand, ROPS cab models only, used on models with seat alarm	1
4	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch, (replaces 187-575 screw)	6
5	F64519	SCREW - self-tapping, Phillips, with washer, No. 10-16 x 3/4 inch (order F64315 washer and 265-16512 screw)	6
6	195-81004	WASHER - flat, 5/16 x 3/4 x 1/16 inch	6
7	281-18716	SCREW - self-tapping, hex washer head, 1/4 NC x 1 inch, used on models with optional deluxe interior.....	6
8	112867A1	SCREW - self-tapping, oval Phillips, with washer, No. 10-16 x 1 inch, used on models with optional deluxe interior, (replaces F45174 screw), if used	6
8A	113319A1	SCREW - self-tapping, oval Phillips, with washer, No. 10-16 x 3/4 inch, if used	6
9	D145601	COVER - fuse box, mounts in right-hand side instrument console, cab or canopy models, see page 9-173 for fuse location decal.....	1
10	D145206	PAWL - knob retainer	1
11	D145207	KNOB - lock.....	1
12	D143491	CONSOLE - left-hand side, with cup holder, cab models only, includes D150899 decal, item 47, shown on page 9-173.....	1
13	*D33500	SEAL - edge, 7 inch, side console, cut to required length from bulk seal F42827, see below	1
14	353-413	PLUG - nylon, 1-3/16 inch (30 mm), if used	1
	*F42827	EDGE - trim, 116 inch (2946 mm) long	UAR



580 Super K Construction King Loader Backhoe
LEFT-HAND AND RIGHT-HAND CAB DOORS - EXTERIOR

9-133

REF.	PART NO.	DESCRIPTION	REQD.
1	97401C2	FRAME - right-hand door (replaces 97401C1 frame)	1
1A	97402C2	FRAME - left-hand door, not shown (replaces 97402C1 frame)	1
2	R53562	BRACKET - cable, welded to left-hand or right-hand door frame.....	1
3	R52936	SEAL - 181-1/2 inch (4610 mm) long, bulb type, left-hand and right-hand door frames	2
4	R53444	SEAL - 105-7/8 inch (2689 mm) long, bulb type, left-hand and right-hand window frames	2
5	R52882	GLASS - right-hand door, rear, window, tinted	1
5A	R52881	GLASS - left-hand door, rear, window, tinted, not shown	1
6	R52880	GLASS - right-hand door, front, tinted.....	1
6A	R52879	GLASS - left-hand door, front, tinted, not shown.....	1
7	R52884	GLASS - right-hand door, lower, tinted	1
7A	R52883	GLASS - left-hand door, lower, tinted, not shown.....	1
8	R52917	HINGE - glass, left-hand and right-hand door window.....	4
9	142-103	SCREW - machine, oval head Phillips, No. 10 NC x 3/4 inch, left-hand and right-hand door window hinge	12
10	F64198	SPACER - nylon, black, glass to hinge, left-hand and right-hand door window hinge.....	12
11	F45165	NUT - hex, self-locking, No. 10 NC, Teflon coated, left-hand and right-hand door window hinge	12
12	R53001	HANDLE - right-hand door, outer	1
12A	R53002	HANDLE - left-hand door, outer, not shown	1
13	F64342	GASKET - door handle, left-hand and right-hand.....	2
14	131-67	NUT - light hex, self-locking, No. 10 NC, left-hand and right-hand door handles	4
15	R54625	LEVER - inner left-hand and right-hand door latch handle.....	2
16	D135387	KNOB - lever, inner door latch	2
17	R55000	LATCH ASSEMBLY - door, right-hand, rotary	1
17A	R55001	LATCH ASSEMBLY - door, left-hand, rotary, not shown	1
18	A180163	SPRING - extension, left-hand or right-hand door latch.....	1
19	265-16512	SCREW - self-tapping, oval Phillips, No. 10-16 x 3/4 inch, left-hand and right-hand door latch.....	4
20	143-101	SCREW - machine, flat head Phillips, 1/4 NC x 1 inch, left-hand and right-hand door latch.....	8
21	1977401C1	BRACKET - latch, right-hand rotary.....	1
21A	1977402C1	BRACKET - latch, left-hand rotary, not shown	1
22	473-13112	SCREW - machine, flat head slotted, 5/16 NC x 3/4 inch	6
23	231-5145	NUT - hex head flange, 5/16 inch NC.....	6

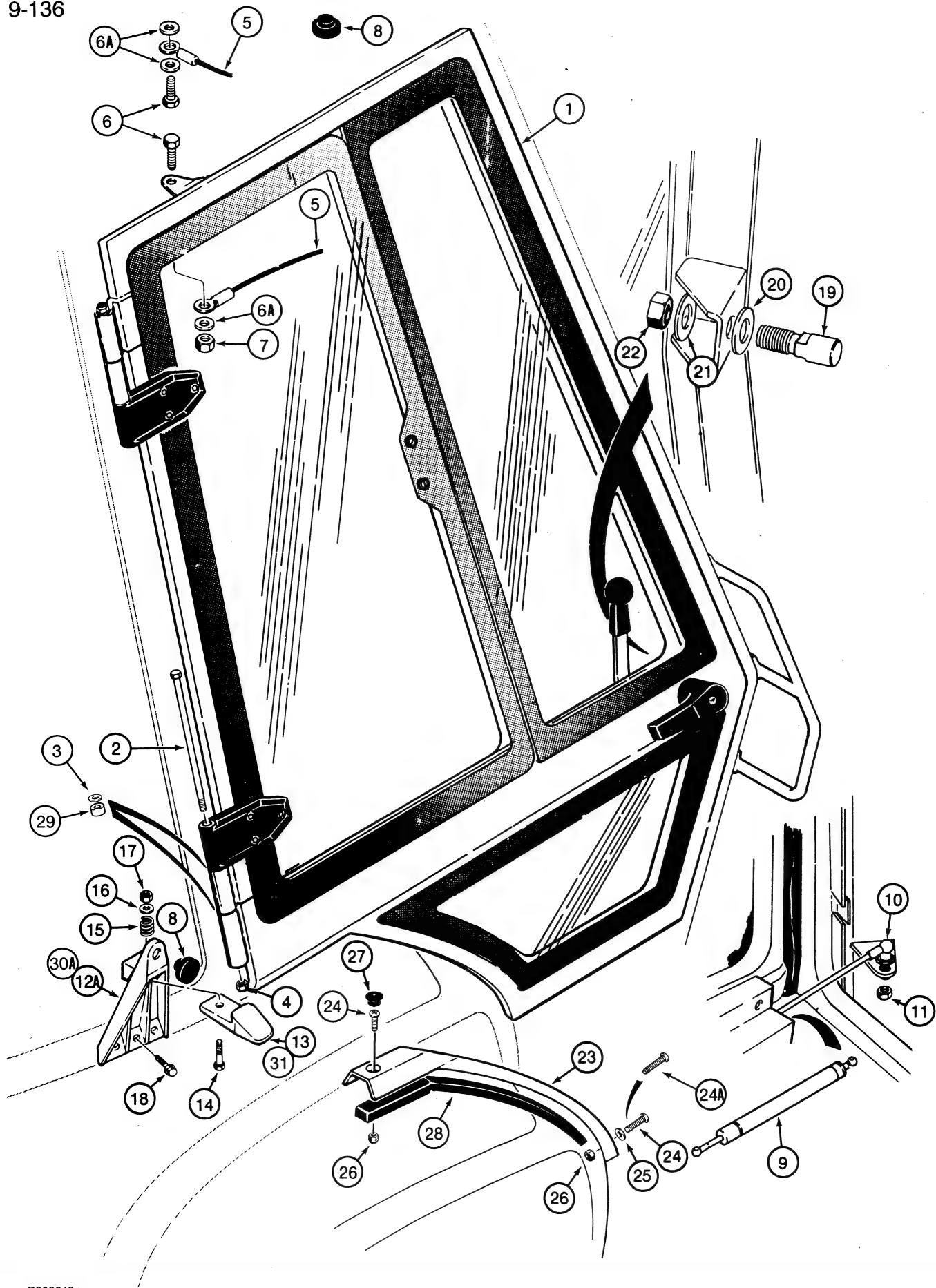


580 Super K Construction King Loader Backhoe
LEFT-HAND AND RIGHT-HAND CAB DOORS - INTERIOR

9-135

REF.	PART NO.	DESCRIPTION	REQD.
1	97402C2	FRAME - left-hand door (replaces 97402C1 frame which uses item 13 long door panel).....	1
1A	97401C2	FRAME - right-hand door, not shown (replaces 97401C1 frame which uses item 13A long door panel)	1
2	R53562	BRACKET - cable, welded to left-hand or right-hand door frame	1
3	97399C1	HANDLE - door window.....	2
4	97398C1	LATCH - push type, door window	2
5	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch (replaces 182-584 screw)	4
6	F45165	NUT - hex, self-locking, No. 10 NC	8
7	179-163	SCREW - machine, oval head Phillips, No. 10 NC x 1 inch	4
8	F64198	SPACER - nylon, black, glass to bracket.....	4
9	195-81023	WASHER - flat, 1/4 x 9/16 x 3/64	8
10	F44881	CYLINDER - left-hand and right-hand doors.....	2
11	1340345C1	STUD - ball, cylinder	2
12	131-176	NUT - hex, self-locking, 5/16 inch NC	2
13	1344034C2	PANEL - left-hand door, used with 97402C1 frame, if used	1
13A	1344033C2	PANEL - right-hand door, not shown, used with 97401C1 frame, if used.....	1
14	260-16524	SCREW - self-tapping, pan Phillips, No. 10-16 x 1-1/2 inch, black, left-hand and right-hand door panels, (replaces 187-371 screw)	4-20
15	R53000	RETAINER - screw, left-hand and right-hand door panels	4-20
16	1958970C1	HANDLE - left-hand and right-hand inner door.....	2
17	165-129	SCREW - machine, pan head slotted, self-locking, 1/4 NC x 3/4 inch, black, left-hand and right-hand inner door handles.....	8
18	1971368C1	PLATE - retainer, left-hand and right-hand inner door handle.....	4
19	1977399C1	BRACKET - cylinder	2
20	413-48	BOLT - hex, 1/4 NC x 1/2 inch	4
21	492-11025	WASHER - lock, 1/4 inch.....	4
22	R54047	SHIM - latch bracket, left-hand and right-hand door window.....	4
23	108938A1	PANEL - left-hand door, used with 97402C2 frame, if used	1
23A	108936A1	PANEL - right-hand door, used with 97401C2 frame, if used, not shown.....	1
24	*120865A1	PLUG - plastic, used with item 23, 108938A1, or item 23A, 108936A1, panels and 97402C1 or 97401C1 door frames, if used..UAR	

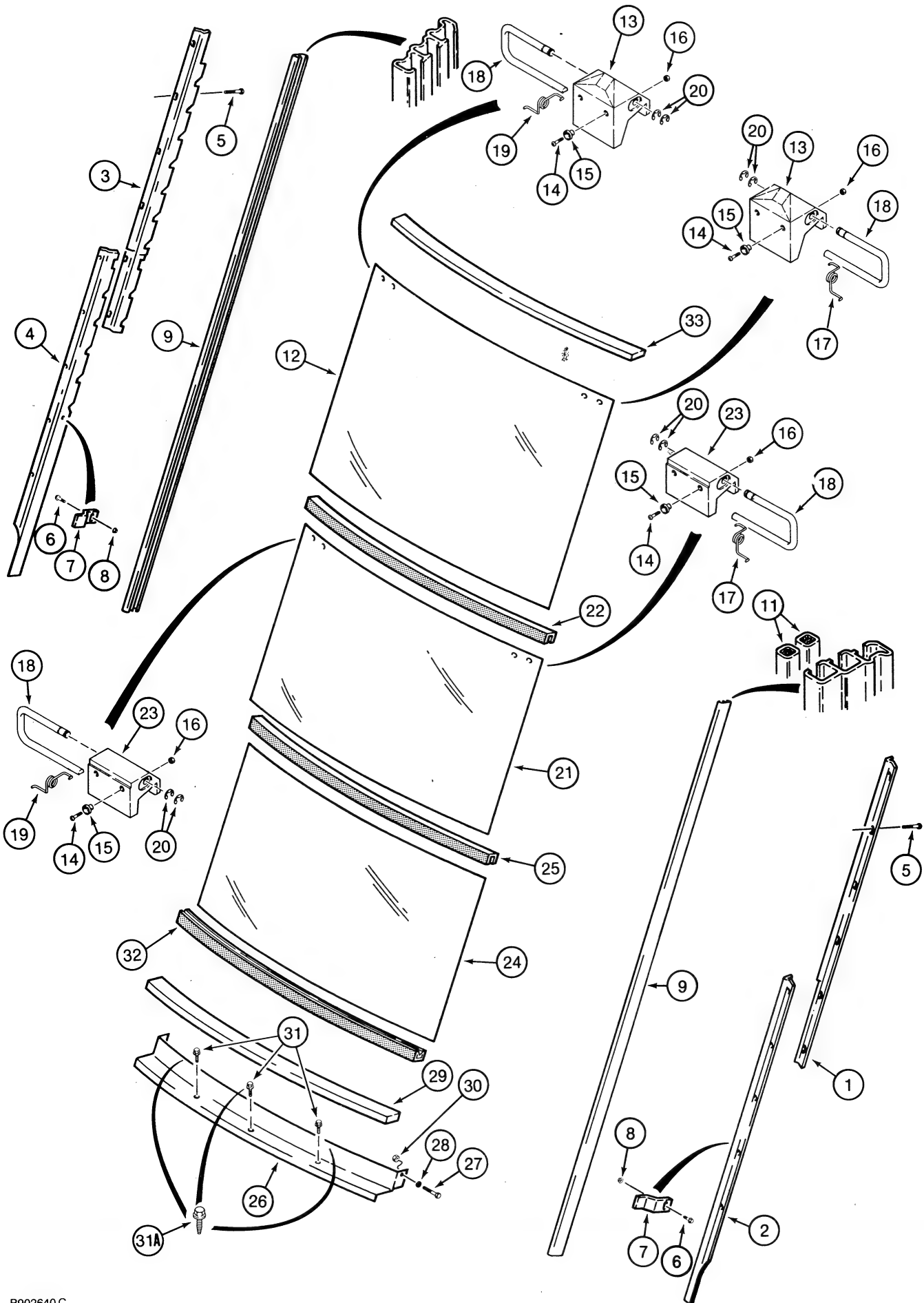
***NOTE:** Some cabs were built using 97402C1 or 97401C1 frames and items 23 or 23A, 108938A1 or 108936A1, panels. Item 24 plug is used for those cabs.



580 Super K Construction King Loader Backhoe
LEFT-HAND AND RIGHT-HAND CAB DOOR MOUNTING

9-137

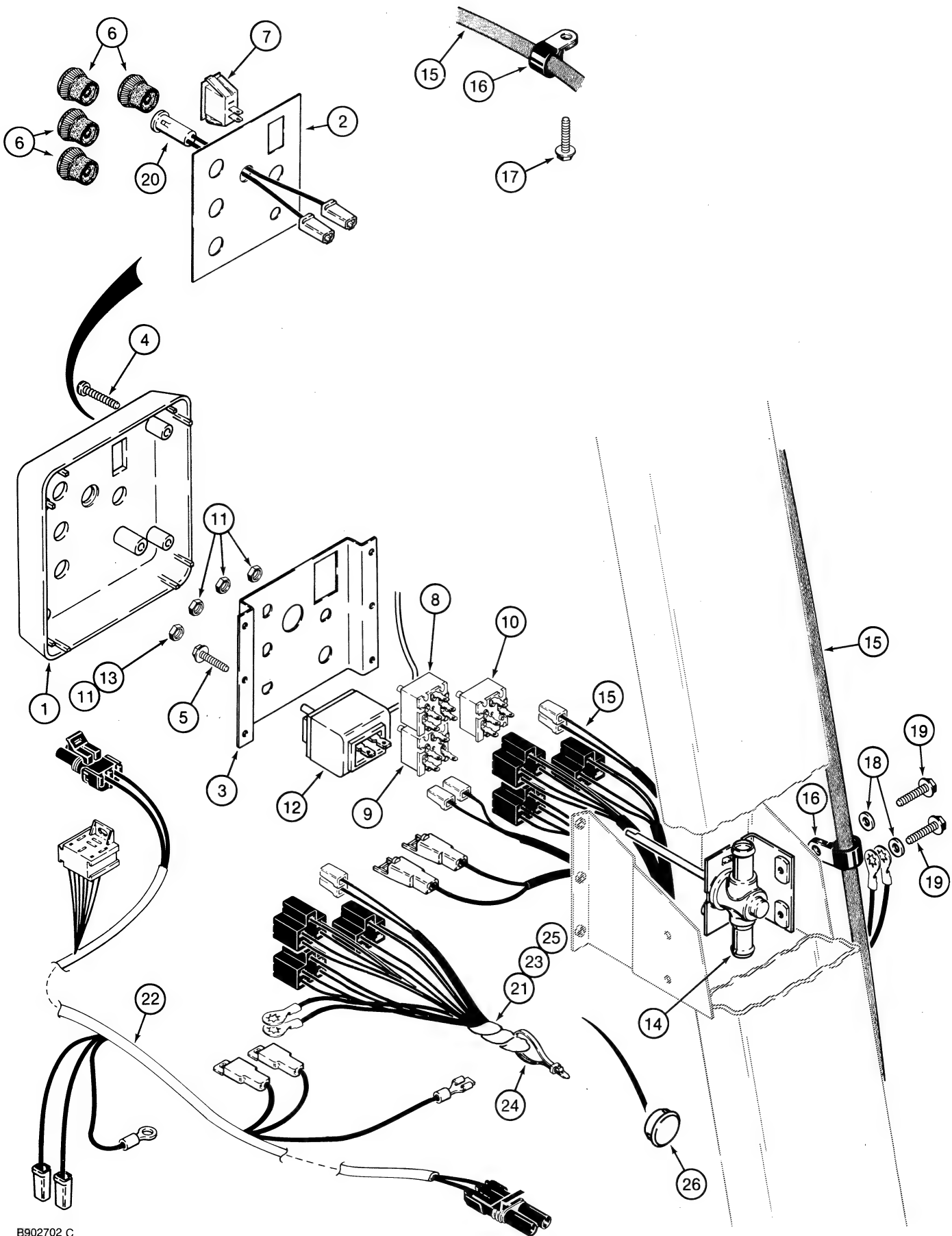
REF.	PART NO.	DESCRIPTION	REQD.
1	REF	DOOR - cab, see page 9-133 through 9-137	1
2	413-6152	BOLT - hex, 3/8 NC x 9-1/2 inch	4
3	F64046	WASHER - thrust, plastic, hinge	8
4	131-203	NUT - light hex, self-locking, 3/8 inch NC	4
5	R53560	CABLE - door, upper	2
6	113-174	BOLT - hex, self-locking, 5/16 NC x 3/4	4
6A	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	6
7	131-176	NUT - hex, self-locking, 5/16 inch NC	2
8	L60224	BUMPER - rubber, cab door frame and window latch	4
9	F44881	CYLINDER - left-hand and right-hand doors	2
10	1340345C1	STUD - ball, cylinder	2
11	131-176	NUT - hex, self-locking, 5/16 inch NC	2
12	R53957	BRACKET - left-hand cab door window retaining, mounts to frame, brown, not shown, used on cab models with plastic roof cap, no longer available, order 106971A1, item 30	1
12A	R53956	BRACKET - right-hand cab door window retaining, mounts to frame, brown, used on cab models with plastic roof cap, no longer available, order 106972A1, item 30A	1
13	1344229C1	LATCH - door window to cab frame, used with items 12 and 12A brackets, brown, no longer available, order 106973A1, item 31	2
14	413-420	BOLT - hex, 1/4 NC x 1-1/4 inch, latch to bracket	2
15	1344321C1	SPRING - compression, left-hand and right-hand window latch release (replaces D36669)	2
16	495-21031	WASHER - flat, 5/16 x 47/64 x 1/16 inch, if used	2
17	230-4214	NUT - hex, self-locking, 1/4 inch NC	2
18	458-412	BOLT - hex flange, 1/4 NC x 3/4 inch, bracket to frame	6
19	R52735	STRIKER - door latch	2
20	F44748	SPRING - Belleville, washer	2
21	495-81148	WASHER - flat, 7/16 x 1-1/4 x 1/8 inch	2
22	131-1129	NUT - hex, self-locking, 7/16 inch NC	2
23	1344394C1	BRACKET - plastic, right-hand fender sill	1
23A	1344395C1	BRACKET - plastic, left-hand fender sill, not shown	1
24	140-111	SCREW - machine, pan head Phillips, 1/4 NC x 1/2 inch, (2) used on models with optional deluxe interior and (10) used on models with standard interior, if used	2-10
24A	140-112	SCREW - machine, pan Phillips head, 1/4 NC x 3/4 inch, (8) used on models with optional deluxe interior and (10) used on models with standard interior, if used	8-10
25	195-81026	WASHER - flat, 17/64 x 13/16 x 5/64 inch	8
26	230-4214	NUT - hex, self-locking, 1/4 inch NC	10
27	353-405	PLUG - button, 9/16 inch, fender bracket	2
28	1343949C1	SEAL - rubber, 730 mm long, door sill	2
29	107949A1	BUSHING - door hinge	8
30	106971A1	BRACKET - left-hand cab door window retaining, mounts to frame, black, not shown, used on cab models without plastic roof cap, if used	1
30A	106972A1	BRACKET - right-hand cab door window retaining, mounts to frame, black, used on cab models without plastic roof cap, if used	1
31	106973A1	LATCH - door window to cab frame, used with items 30 and 30A brackets, black, if used	2



580 Super K Construction King Loader Backhoe CAB REAR WINDOW

9-139

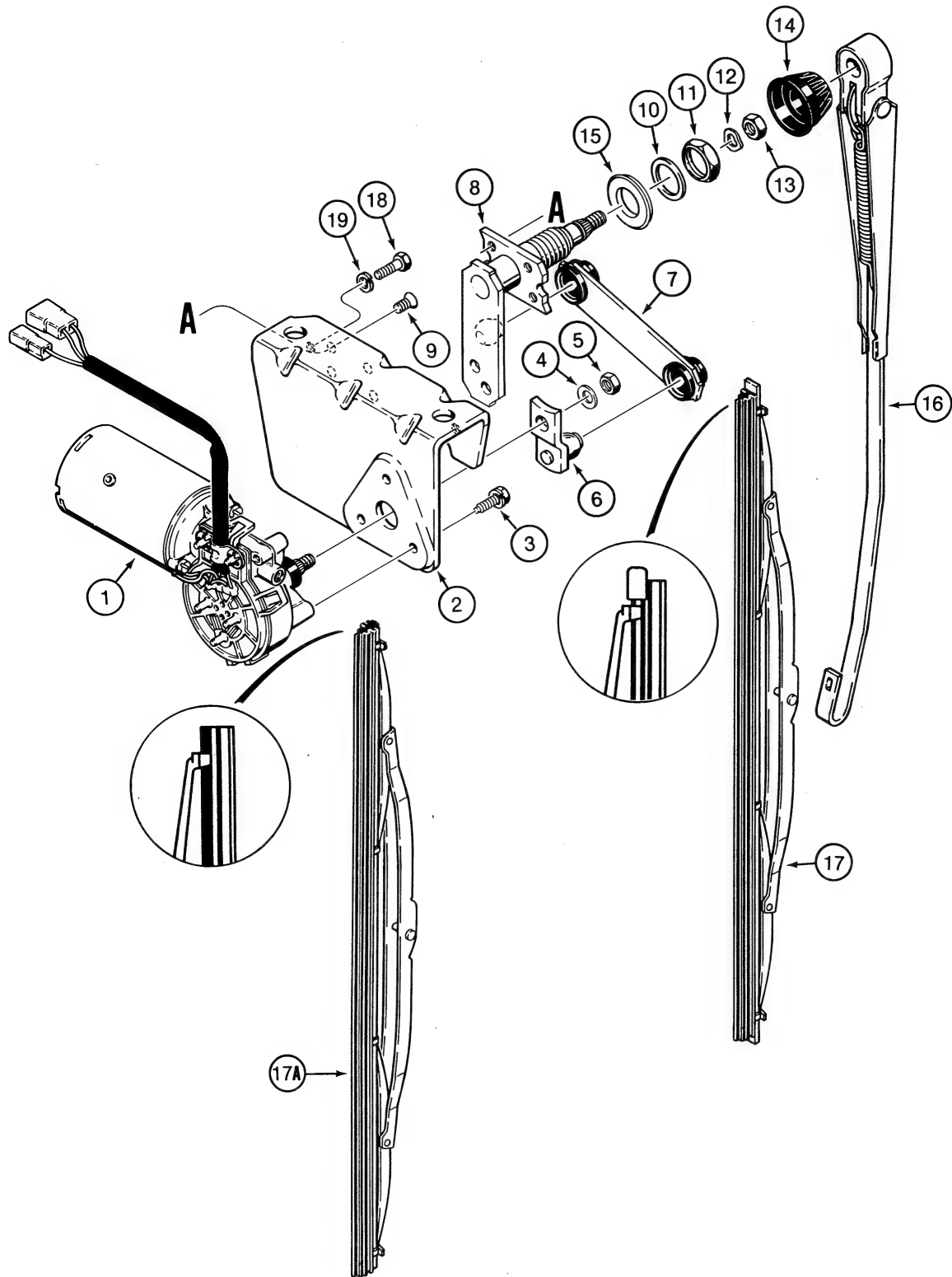
REF.	PART NO.	DESCRIPTION	REQD.
1	97256C3	BRACKET - right-hand, upper	1
2	97257C3	BRACKET - right-hand, lower	1
3	97258C3	BRACKET - left-hand, upper	1
4	97259C3	BRACKET - left-hand, lower	1
5	281-54512	SCREW - self-tapping, hex washer, No. 10 NC x 3/4 inch	18
6	458-412	BOLT - hex flange, 1/4 NC x 3/4 inch	2
7	D129974	BRACKET - lower rear window	2
8	231-5344	NUT - hex flange, self-locking, 1/4 inch NC	2
9	1989960C1	CHANNEL - track (replaces R52939 and R52940)	2
11	R52942	SEAL - 60-15/32 inch (1536 mm) long, foam, adhesive back, special, right-hand track channel only	2
12	D129967	GLASS - upper rear window only	1
13	97278C1	LATCH - upper rear window only	2
14	442-11016	SCREW - machine, oval head Phillips, No. 10 NC x 1 inch	8
15	F64198	SPACER - special	8
16	230-42409	NUT - hex, self-locking, No. 10 NC	8
17	1990727C1	SPRING - right-hand latch	2
18	1344232C1	LEVER - latch, metal, left-hand and right-hand	4
19	1990728C1	SPRING - left-hand latch	2
20	A27795	RING - retaining, latch lever	8
21	D129968	GLASS - center rear window only	1
22	D126198	SEAL - 35-29/32 inch (912 mm) long, center window glass	1
23	97277C1	LATCH - center window only	2
24	D129969	GLASS - lower rear window only	1
25	D126198	SEAL - 35-29/32 inch (912 mm) long, lower window glass	1
26	R54206	BRACKET - horizontal, lower, mounts to cab frame	1
27	413-58	BOLT - hex, 5/16 NC x 1/2 inch	2
28	495-21038	WASHER - flat, 3/8 x 7/8 x 5/64 inch	2
29	D126201	SEAL - 20 mm x 10 mm x 912 mm, neoprene sponge, adhesive back, lower rear glass	1
30	131-176	NUT - hex, self-locking, 5/16 inch NC	2
31	281-14812	SCREW - self-tapping, hex washer head, 5/16 NC x 3/4 inch (replaces D141589 bolt), if used	3
31A	112865A1	SCREW - pointed, self-aligning, if used	3
32	111471A1	SEAL - lower rear glass	1
33	106974A1	SEAL - 20 mm x 10 mm x 912 mm, PVC foam, black, adhesive back, upper rear glass, (replaces D126201 seal for upper rear glass)	1



**580 Super K Construction King Loader Backhoe
CAB CONTROL PANEL AND WIRING**

9-141

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1343898C1	PANEL - cab control, mounts on right-hand ROPS post.....	1
2	REF	DECAL - instrument panel, cab control, item 48 or 49 shown on page 9-173.....	1
3	R52436	BRACKET - switch support.....	1
4	286-56520	SCREW - self-tapping, Fillister head, No. 10 NC x 1-1/4 inch	4
5	281-54512	SCREW - self-tapping, hex washer head, No. 10 NC x 3/4 inch	2
6	111282C1	KNOB - switch, front and rear wiper, heater, blower, and air conditioner.....	4-5
7	F45393	SWITCH - cab lamp, dome	1
8	A42622	SWITCH - blower.....	1
9	R52440	SWITCH - rear wiper	1
10	R52415	SWITCH - front wiper	1
11	A42561	NUT - retaining, switch	3-4
12	1340287C1	SWITCH - temperature control, air conditioning.....	1
13	25-157	NUT - hex jam, 7/16 inch NF, if used.....	1
14	R52483	VALVE - temperature control, heater	1
15	1987344C2	HARNESS - cab, main, includes air conditioning connection, prior to P.I.N. JJG0167019	1
16	49858	CLAMP - P, 3/4 inch diameter, harness.....	2
17	281-54712	SCREW - self tapping, hex washer, 1/4 NC x 3/4 inch, lower harness clamp uses existing heater temperature control valve mounting bolt	1
18	495-21031	WASHER - flat, 5/16 x 47/64 x 1/16 inch	2
19	458-412	BOLT - hex flange, 1/4 NC x 3/4 inch, mounts heater temperature control valve to ROPS post.....	2
20	1964672C1	LAMP - amber, 14 volt, indicator, air conditioning.....	1
21	103844A1	HARNESS - cab, main, without air conditioning connections, used with 1987521C1 air conditioning harness on models with air conditioning, P.I.N. JJG0167019 and after on models with plastic roof cap.....	1
22	1987521C1	HARNESS - air conditioning, cab, used with 103844A1 or 108961A1 cab harness, P.I.N. JJG0167019 and after.....	1
23	108961A1	HARNESS - cab, main, with tapered rubber grommets and without air conditioning connections, used with 1987521C1 air conditioning harness on models with air conditioning, models without plastic roof cap, no longer available, order item 25, 133526A1, harness and (4) item 26, 353-498, bushings	1
24	473321C1	STRAP - tie, 108961A1 harness, if used	4
25	133526A1	HARNESS - cab, main, without tapered rubber grommets, used with (4) item 26, 353-498 bushings.....	1
26	353-498	BUSHING - snap, 11/16 ID, used as a grommet, cab lamp mounting bracket	4

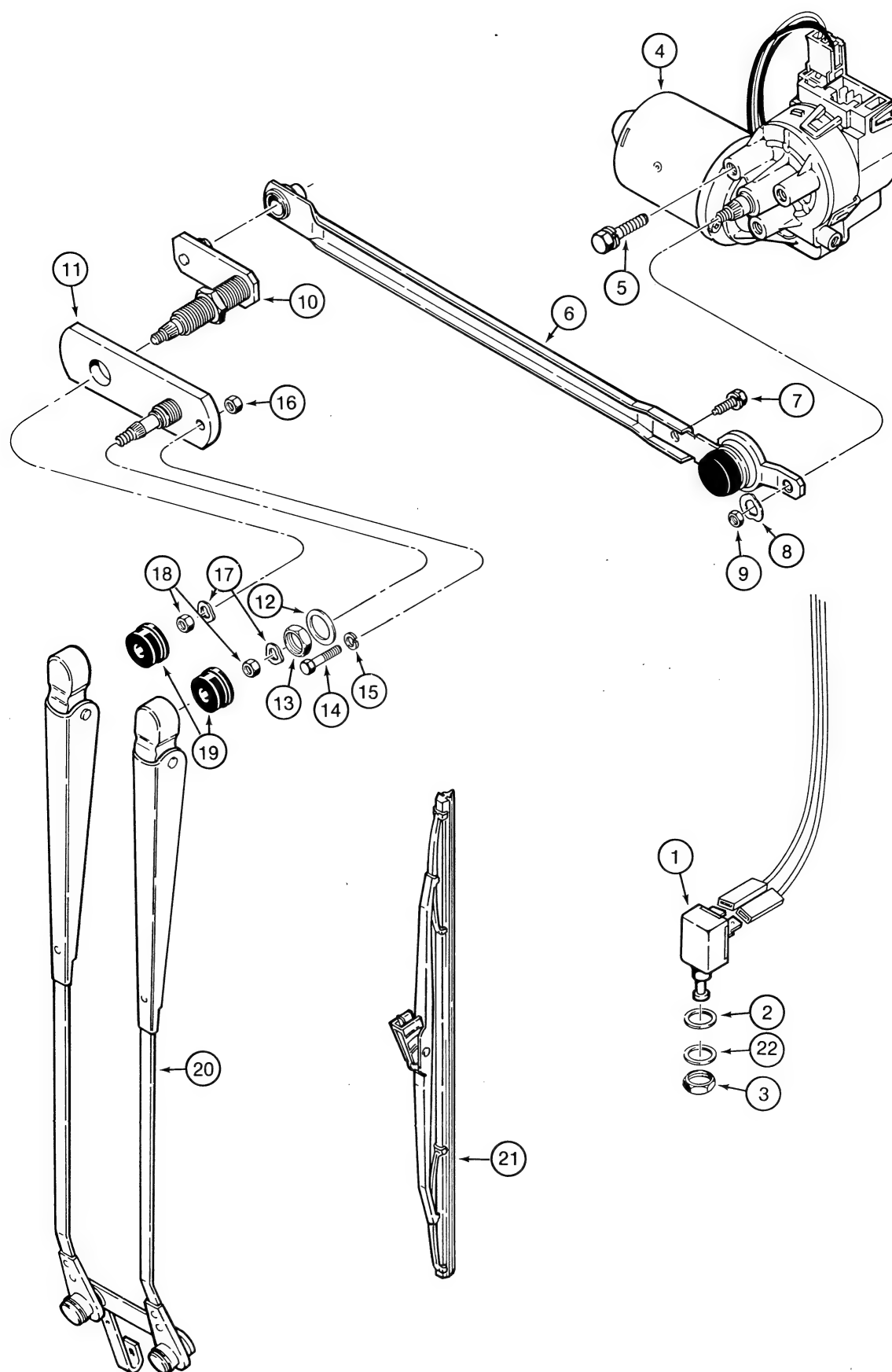


**580 Super K Construction King Loader Backhoe
CAB FRONT WINDSHIELD WIPER**

9-143

REF.	PART NO.	DESCRIPTION	REQD.
	A186171	MOTOR ASSEMBLY - with bracket, front windshield wiper, 12 volt.....	1
1	A186256	MOTOR - 12 volt, windshield wiper	1
2	N8359	BRACKET - windshield wiper assembly	1
3	N8362	SCREW - with washer, special, motor to bracket	3
4	N8361	SPRING - Belleville, washer	1
5	L112090	NUT - hex, special.....	1
6	N8360	ARM - drive.....	1
7	N8358	LINK - wiper.....	1
8	N14112	SHAFT - pivot	1
9	N8356	SCREW - special, pivot shaft to bracket	4
10	L112088	WASHER - special, large, shaft	1
11	L112087	NUT - special, large, shaft.....	1
12	L112089	WASHER - wave, special, shaft end	1
13	L112090	NUT - hex, special, shaft end	1
14	L112081	CAP - pivot shaft end.....	1
15	R54504	SPACER - pivot shaft.....	1
16	D128745	ARM - windshield wiper, 22-7/16 inch (570 mm) long, complete	1
17	*A187909	BLADE - windshield wiper, complete, no longer available, for complete blade, order item 17A, 132024A1, for blade only, order 1983335C1 blade refill, shown below.....	1
17A	*132024A1	BLADE - windshield wiper, complete, for blade only, order 132025A1 blade refill, shown below.....	1
18	414-412	BOLT - hex, 1/4 NF x 3/4 inch.....	2
19	492-11025	WASHER - lock, 1/4 inch.....	2
	*1983335C1	BLADE - rubber, 500 mm long, refill for A187909 complete blade, see note	1
	*132025A1	BLADE - rubber, 500 mm long, refill for 132024A1 complete blade, see note	1

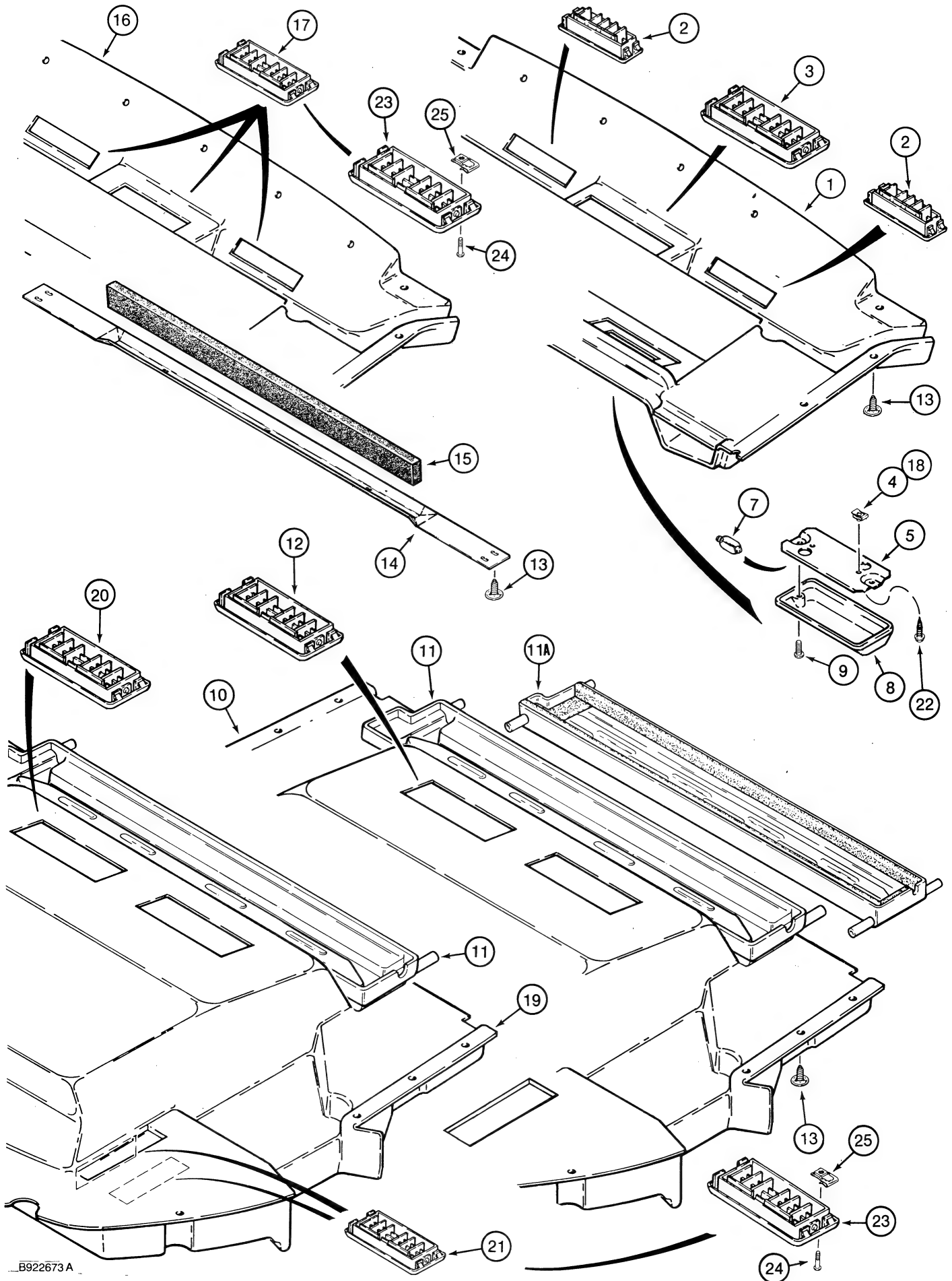
NOTE: See the blade ends in the illustrations for items 17 and 17A to determine which blade to order.



580 Super K Construction King Loader Backhoe
CAB REAR WINDSHIELD WIPER

9-145

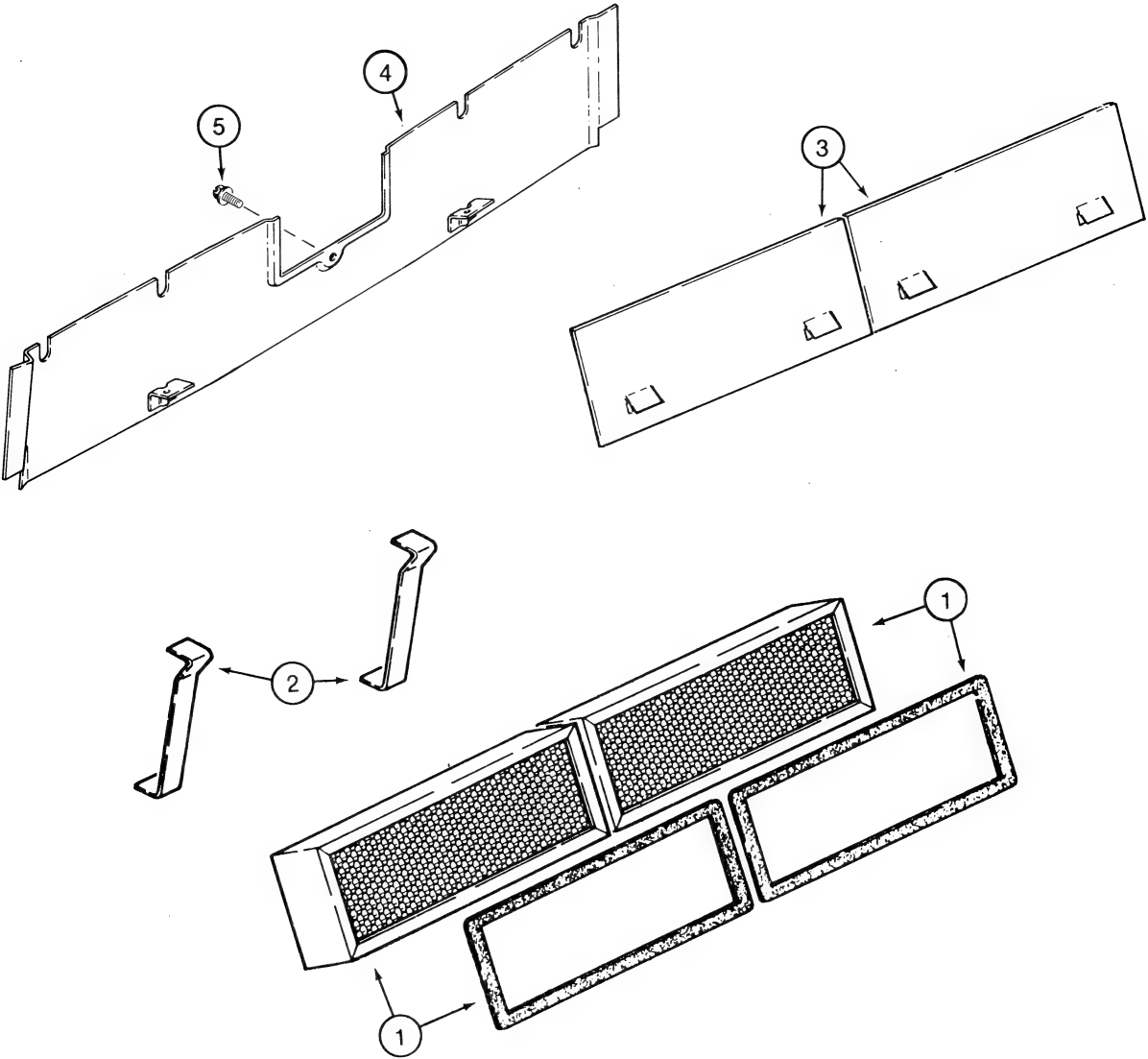
REF.	PART NO.	DESCRIPTION	REQD.
1	A187714	SWITCH - wiper stop, mounts to window frame inside filter compartment	1
2	A165395	WASHER - flat, 1/2 x 1 x 1/16 inch, used as a seal	1
3	425-157	NUT - hex, jam, 7/16 inch NF.....	1
4	D128017	MOTOR - rear windshield wiper, 12 volt	1
5	N8362	SCREW - with washer, special, motor to cab frame.....	3
	D128018	LINK - rear wiper, motor to wiper pivot shafts	1
6	NSS	LINK - crank	1
7	N8362	SCREW - with washer special.....	1
8	N8361	WASHER - wave, special.....	1
9	L112090	NUT - hex, special	1
10	D128020	SHAFT - pivot, with ball, includes nut	1
11	D128021	SHAFT - pivot.....	1
12	L112088	WASHER - special, large, shaft	1
13	L112087	NUT - special, large, shaft.....	1
14	413-416	BOLT - hex, 1/4 NC x 1 inch	1
15	492-11025	WASHER - lock, 1/4 inch	1
16	425-104	NUT - hex, 1/4 inch NC	1
17	L112089	WASHER - wave, special, shaft end	2
18	L112090	NUT - hex, special, shaft end.....	2
19	L112081	CAP - pivot shaft end.....	2
20	R52408	ARM - rear windshield wiper.....	1
21	D128022	BLADE - rear windshield wiper	1
22	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	1



**580 Super K Construction King Loader Backhoe
CAB HEADLINER, LOUVERS, AND DOME LAMPS**

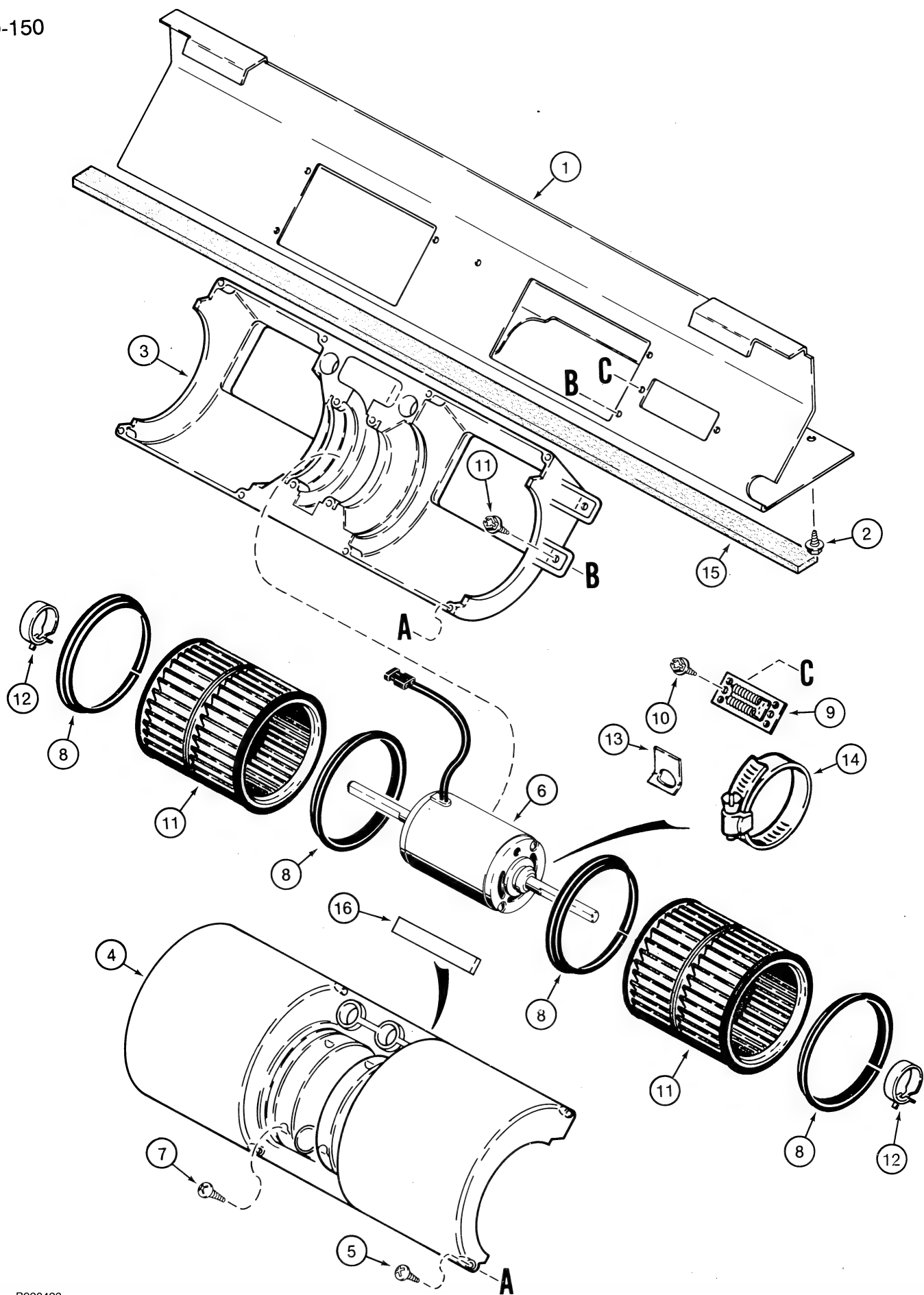
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REF.	PART NO.	DESCRIPTION	REQD.
	1987099C1	HEADLINER ASSEMBLY - front section, with two sizes of louvers, prior to cab serial number JAB0023786.....	1
1	NSS	HEADLINER - front section	1
2	R54201	LOUVER - front defrost	2
3	L109555	LOUVER - main, front headliner.....	3
4	131-861	NUT - U-type, No. 10, no threads, cab dome lamp retaining	2
	R53755	LAMP ASSEMBLY - dome, 12 volt, front headliner.....	1
5	NSS	BASE - dome lamp	1
7	N14466	BULB - dome lamp	1
8	N14465	LENS - dome lamp	1
9	470-1108	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch, base to lens	2
10	R54009	HEADLINER - rear section, uses 4 louvers, item 12, prior to cab serial number JAB0023786, no longer available, order 108822A1 headliner, items 19-21	1
11	1344430C1	PAN - condensation, purchase seals separately, see page 9-157, items 25-28 for foam seals, no longer available, order 1990990C1 pan, item 11A.....	1
11A	1990990C1	PAN - condensation, includes items 25-28 seals on page 9-157	1
12	L109555	LOUVER - recirculation and rear defrost, R54009 rear headliner.....	4
13	F64519	SCREW - self-tapping, Phillips, with washer, No. 10-16 x 3/4 inch (order F64315 washer and 265-16512 screw), headliner to cab frame	26
14	1981928C2	SUPPORT - headliner.....	1
15	1987095C1	SEAL - 19 x 13 x 600 mm, adhesive backed, cut from 98355C1 bulk seal	1
	109340A1	HEADLINER ASSEMBLY - front section, with same size louvers, cab serial number JAB0023786 and after.....	1
16	NSS	HEADLINER - front section	1
17	1958752C1	LOUVER - headliner, snap-in, may be replaced with screw-in louver, items 23-25	5
18	131-861	NUT - U-type, No. 1024, cab dome lamp retaining	2
	108822A1	HEADLINER ASSEMBLY - rear section, with 6 louvers, cab serial number JAB0023786 and after	1
19	NSS	HEADLINER - rear section	1
20	L109555	LOUVER - headliner	2
21	1958752C1	LOUVER - headliner, snap-in, may be replaced with screw-in louver, items 23-25	4
22	281-54512	SCREW - hex washer head, self-tapping, No. 10-24 x 3/4 inch.....	2
23	125688A1	LOUVER - headliner, screw-in, if used	9
24	140-103	SCREW - machine, pan head Phillips, No. 6 NC x 3/4 inch, if used.....	18
25	125749A1	NUT - J-type, No. 6 NC, if used	18
	98355C1	SEAL - 32 x 163 x 810 mm, foam, adhesive back	1



CAB AIR FILTER

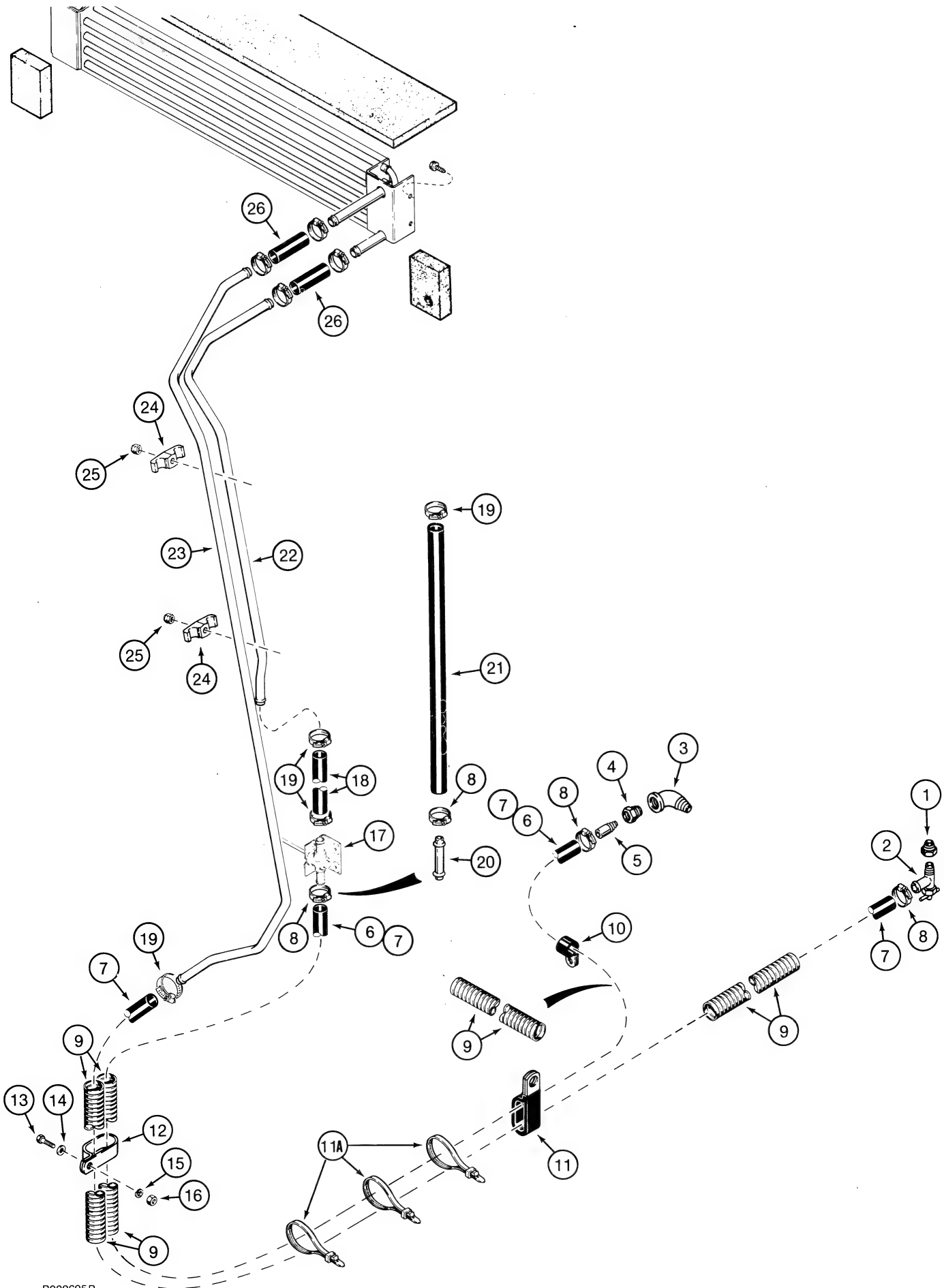
REF.	PART NO.	DESCRIPTION	REQ'D.
1	R53519	FILTER - air, complete, includes gasket	2
2	R55108	BRACKET - air filter	2
3	R54941	PLATE - filter blockoff, if used	1-2
4	1975880C1	COVER - air filter, rear	1
5	281-54712	SCREW - self tapping, hex washer, 1/4 NC x 3/4 inch.....	1



**580 Super K Construction King Loader Backhoe
CAB BLOWER**

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REF.	PART NO.	DESCRIPTION	REQD.
1	D126301	BRACKET - blower mounting	1
2	281-54712	SCREW - self tapping, hex washer, 1/4 NC x 3/4 inch.....	5
3	F64740	HOUSING - fans, lower.....	1
4	F64741	HOUSING - fans, upper.....	1
5	1327506C1	SCREW - self-tapping, pan Phillips, No. 10-16 x 3/4 inch.....	8
6	R54415	MOTOR - blower, 12 volt.....	1
7	187-1928	SCREW - self-tapping, pan Phillips, No. 10-16 x 1 inch.....	4
8	F64739	RING - plastic, fan retaining	4
9	F44900	RESISTOR - blower.....	1
10	280-1458	SCREW - self-tapping, hex washer head, No. 10-16 x 1/2 inch.....	2
11	F64935	FAN - blower	2
12	F64936	CLAMP - steel spring.....	2
13	R51563	CLIP - motor retaining clamp.....	1
14	214-1440	CLAMP - adj, 2-1/16 - 3 inch dia, motor retaining.....	1
15	1987098C1	SEAL - 1-1/16 (25) x 15/64 (6) x 37-51/64 inch (960 mm), cut from 1340329C1 bulk seal, see below, foam, blower mounting bracket to cab.....	1
16	1999608C1	GASKET - 38 x 102 x 2 mm thick	2
	1340329C1	SEAL - bulk, foam, 600 inch (15240 mm) long	UAR



580 Super K Construction King Loader Backhoe CAB HEATER

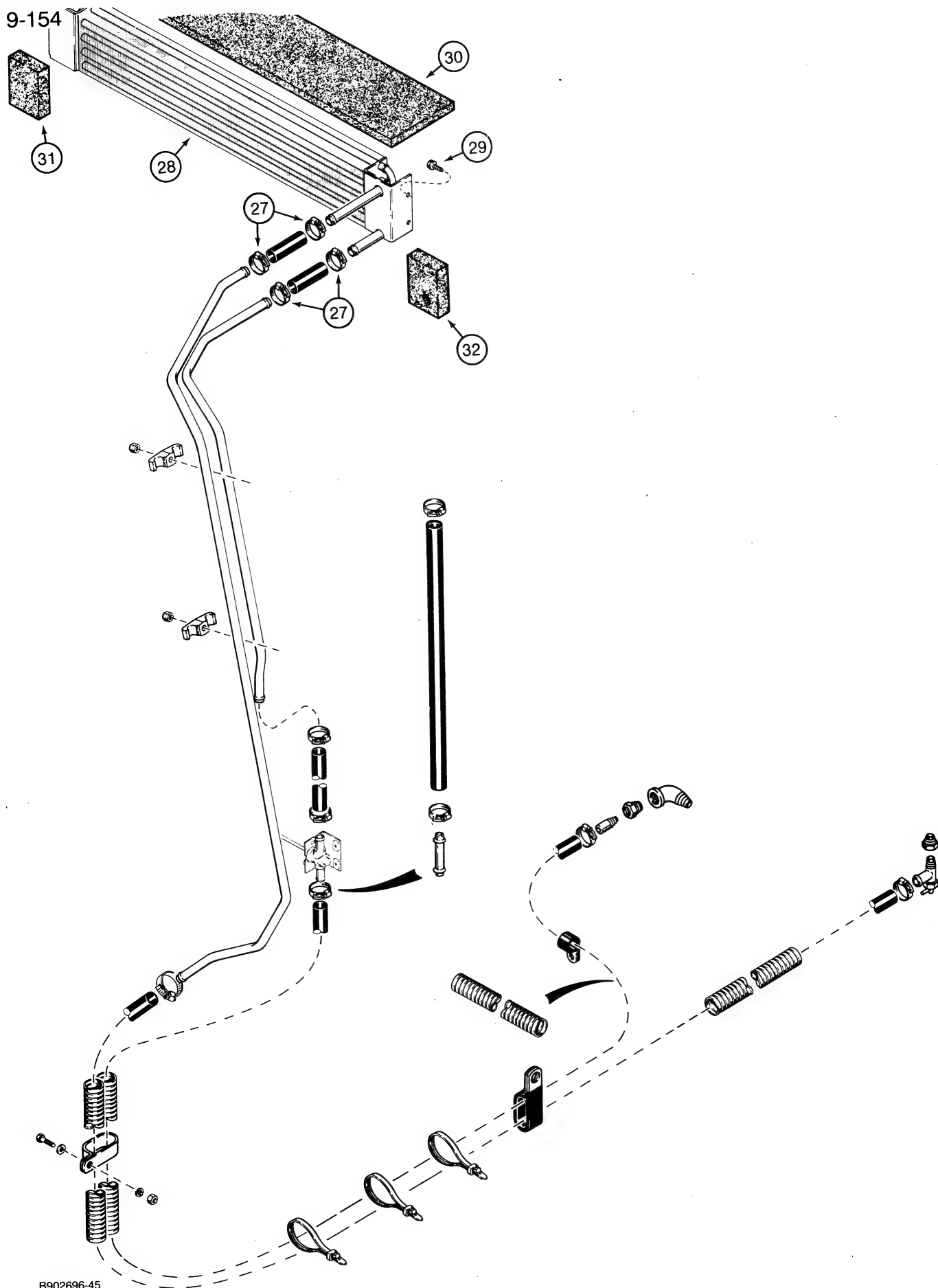
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REF.	PART NO.	DESCRIPTION	REQD.
1	221-89	REDUCER - pipe, 1/2 male x 3/8 inch female, replaces existing plugs	1
2	3018031	VALVE - shutoff, right-hand side of engine, at water pump, replaces A16764	1
3	221-1414	ELBOW - street, 90 degree, 1/2 inch PT	1
4	221-89	REDUCER - pipe, 1/2 male x 3/8 inch female	1
5	L17985	NIPPLE - 3/8 inch NPT, left-hand side of engine	1
6	*D136068	HOSE - 5/8 (16) x 15/16 (24) x 104-1/16 inch (2643 mm), cut to required length from 97252CX bulk hose, see below, left-hand, mounts to heater temperature control valve, no longer used, order D132977 hose, item 7	1
7	D132977	HOSE - 5/8 (16) x 15/16 (24) x 112-21/64 inch (2853 mm), cut to required length from 97252CX bulk hose, see below, right-hand	1-2
8	214-1410	CLAMP - adj, 9/16 - 1-1/16 inch dia, heater hoses	4
9	D134399	SLEEVE - hose guard, replaces D132982	4
10	515-23254	CLAMP - left-hand hose, uses existing mounting hardware (replaces R14668)	1
11	D39696	CLAMP - hose	1
11A	L18337	STRAP - nylon, retaining	3
12	D132978	CLAMP - hose, at right-hand console	1
13	413-612	BOLT - hex, 3/8 NC x 3/4 inch	1
14	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	1
15	492-11038	WASHER - lock, 3/8 inch	1
16	425-106	NUT - hex, 3/8 inch NC	1
17	R52483	VALVE - temperature control, heater, see page 9-141 for mounting	1
18	R54968	HOSE - 5/8 (16) ID x 8 inch (203 mm) long, cut to required length from 97252CX bulk hose, see below, heater temperature control valve to heater inlet tube	1
19	1954736C1	CLAMP - special, 11/16 - 1-1/4 inch dia, hose	4
20	*1301342C1	TUBE - 5/8 (16) ID x 22 inch (559 mm) long, used in production, not required for service	1
21	*R54969	HOSE - 5/8 (16) ID x 22 inch (559 mm) long, cut to required length from bulk hose 97252CX, see below, used in production, not required for service	1
22	R52504	TUBE - heater inlet	1
23	R52505	TUBE - heater outlet	1
24	D120613	CLAMP - plastic, tube, mounts on stud on ROPS post (replaces R52657)	2
25	131-206	NUT - heavy hex, self-locking, 3/8 inch NC	2
26	R54967	HOSE - 5/8 (16) ID x 2-3/4 inch (70 mm) long, cut to required length from bulk hose 97252CX, see below, heater core to tubes	2
	97252CX	HOSE - bulk, 5/8 (16) x 15/16 (24) x 50 ft (15240 mm) long, sold by the foot	UAR

***NOTE:** 1301342C1 tube and R54969 hose (items 20 and 21) are used in production with D136068 104 inch hose (item 6) for ease of pod assembly; however, items 20 and 21 are not required for service if item 6 hose is cut to 146 inches instead of 104-1/16 inches.

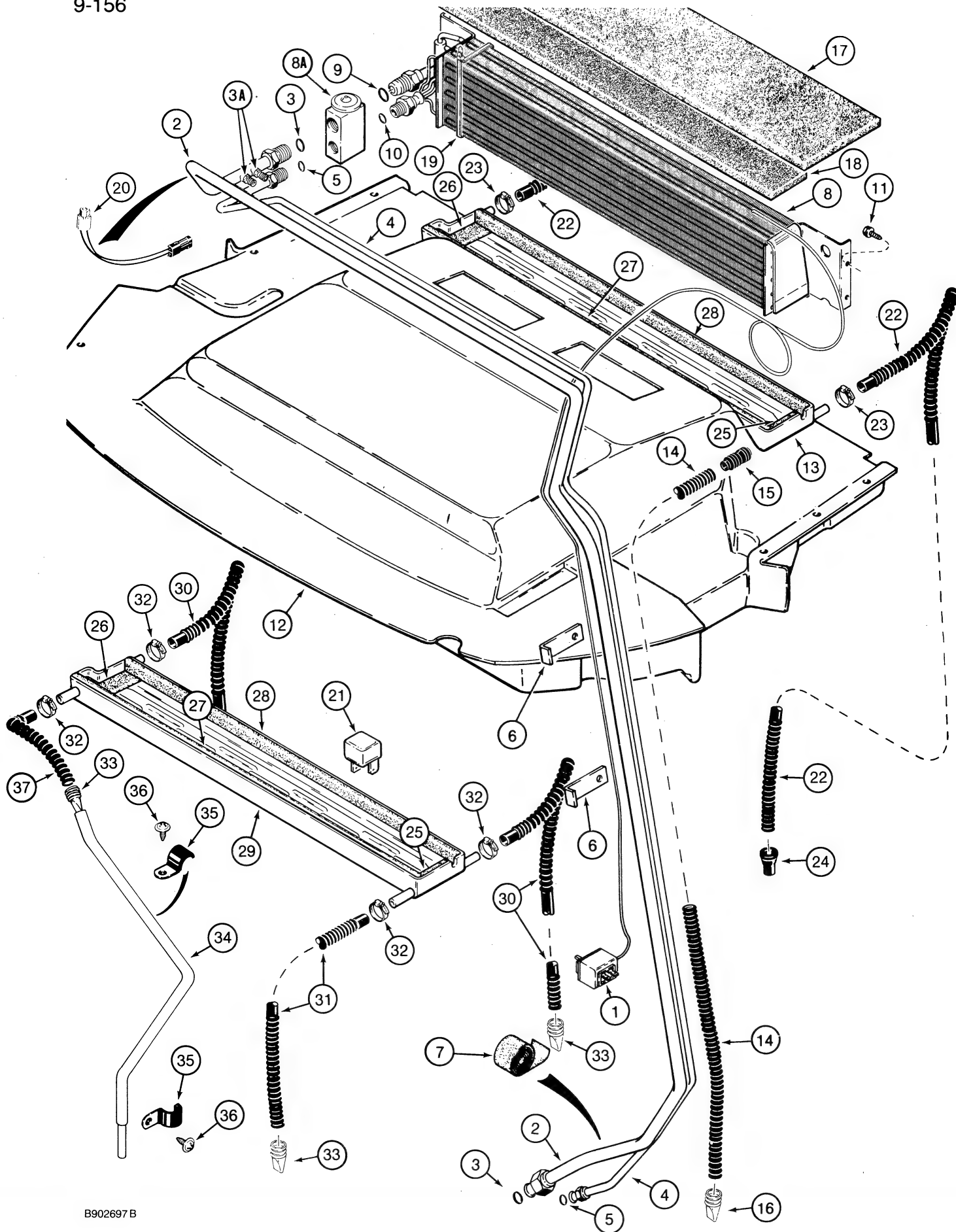
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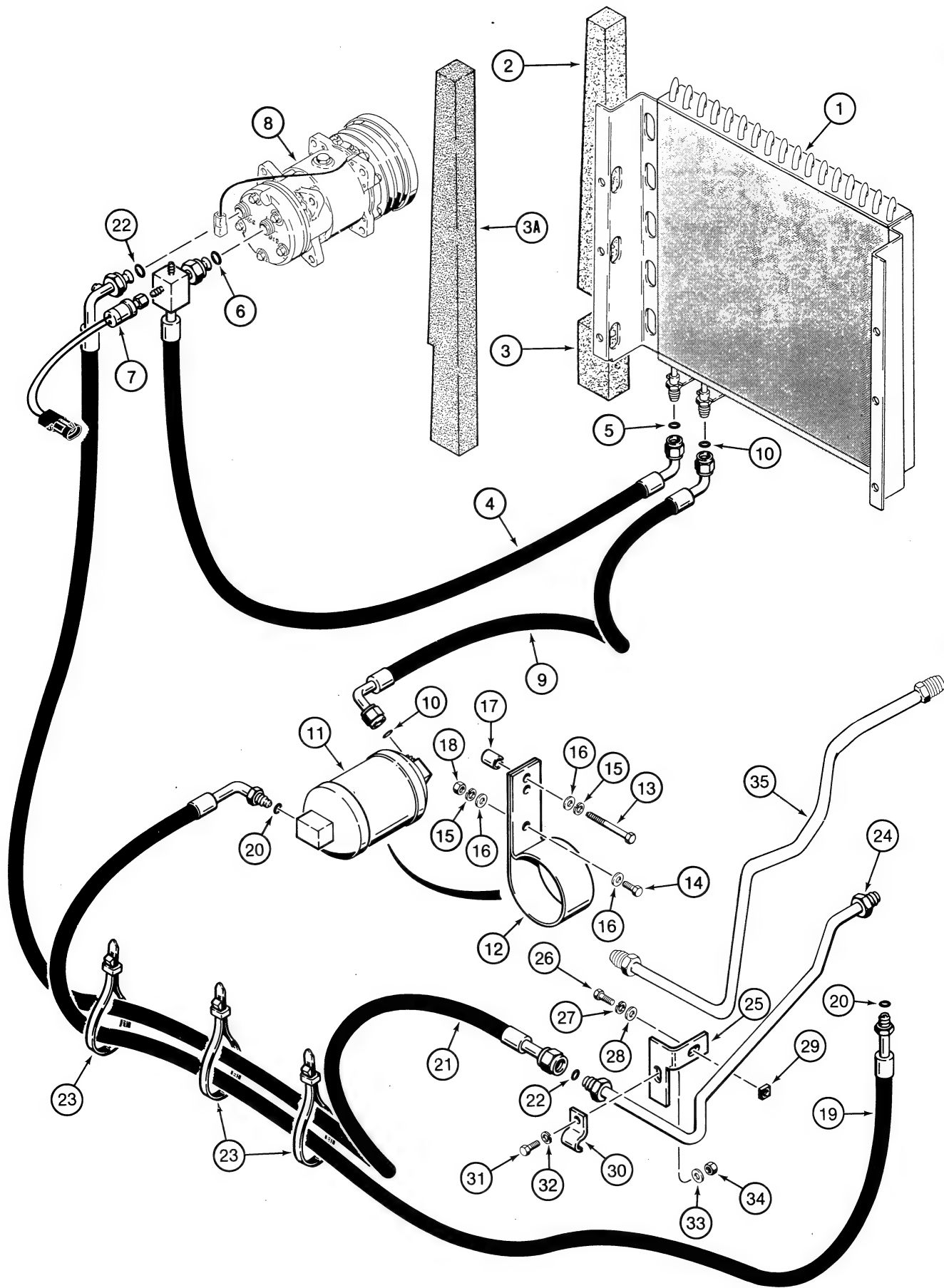
CAB HEATER

REF.	PART NO.	DESCRIPTION	REQD.
27	1954736C1	CLAMP - special, 11/16 - 1-1/4 inch dia, hose.....	4
28	1338312C2	CORE - heater, mounts to cab frame	1
29	281-54712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch	4
30	1338301C1	SEAL - 1/2 (13) x 3-5/32 (80) x 32-1/2 inch (825 mm), heater and air conditioner, order 1340329C1 bulk seal and cut to required size	1
31	1987093C1	SEAL - 1 (25) x 2-3/4 (70) x 4 inch (100 mm), heater core, left-hand, cut from 98355C1 bulk	1
32	1987094C1	SEAL - 2-3/4 (70) x 4 (100) x 1 inch (25 mm), heater core, right-hand, cut from 98355C1 bulk.....	1
	98355C1	SEAL - 1-1/4 (32) x 6-13/32 (163) x 31-7/8 inch (810 mm), foam, adhesive back, bulk.....	1
	1340329C1	SEAL - 68 ft, foam, adhesive back, bulk.....	1



CAB AIR CONDITIONER

REF.	PART NO.	DESCRIPTION	REQD.
1	1340287C1	SWITCH - temperature control, air conditioning.....	1
2	1977421C1	TUBE - suction.....	1
3	238-5015	O-RING - 9/16 ID x 1/16 inch wide, (replaces 371544R1 O-ring)	2
3A	1250594C1	VALVE - internal.....	2
4	1977422C1	TUBE - pressure.....	1
5	238-5011	O-RING - 5/16 ID x 1/16 inch wide.....	2
6	R53634	CLAMP - bracket, mounts to ROPS post stud with existing nut	2
7	1954475C1	TAPE - cork, insulating, bulk roll, 360 inch (9144 mm) long	UAR
8	1340493C3	CORE - evaporator	1
8A	98370C3	VALVE - evaporator	1
9	238-5015	O-RING - 9/16 ID x 1/16 inch wide, upper, core.....	1
10	238-5013	O-RING - 7/16 ID x 1/16 inch wide, lower core.....	1
11	281-54712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch	4
12	REF	HEADLINER - rear section, see page 9-147	1
13	1344430C1	PAN - condensation drain, purchase seals separately, items 25-28, no longer available, order 1990990C1 pan, item 29	1
14	1276252C1	HOSE - 90 inch (2286 mm) long, cut to required length from 198091C2 bulk hose, rear drain, 1344430C1 pan (item 13), if used	2
15	1250522C3	TUBE - adapter, drain, if used.....	2
16	109239C2	VALVE - rubber, rear drain hose.....	2
17	1338301C1	SEAL - 13 x 80 x 825 mm, heater and air conditioner cores, cut from 1340329C1 bulk	1
18	1338301C1	SEAL - 13 x 80 x 825 mm, core, cut from 1340329C1 bulk.....	1
19	386170C1	STRAP - cable lock, 28-1/4 inch.....	2
20	92153C1	SWITCH - low pressure.....	1
21	146461C1	RELAY - 30 ampere, connects to cab harness.....	1
22	F45410	HOSE - 5/8 (15) OD x 110 inch (2794 mm) long, front drain, 1344430C1 pan, item 13, cut from F64508, see below, if used	2
23	214-1404	CLAMP - adj, 1/4 - 5/8 inch dia.....	2
24	F44790	END - rubber, item 22 front drain hose, if used	2
25	1987091C2	SEAL - 55 x 150 x 9 mm, right-hand, cut from 1987092C1 bulk	1
26	1987092C2	SEAL - foam, adhesive backed, pan, left-hand	1
27	1987096C1	SEAL - 9 x 19 x 765 mm, pan, rear, cut from 98355C1 bulk	1
28	1987097C1	SEAL - 9 x 19 x 735 mm, pan, front, cut from 98355C1 bulk.....	1
29	1990990C1	PAN - condensation drain, includes seals, items 25-28	1
30	1990983C1	HOSE - 2794 mm long, front drain, 1990990C1 pan	2
31	1990999C1	HOSE - 2286 mm long, rear drain, 1990990C1 pan, cut to required length from 1990983C1 hose (item 30).....	1-2
32	214-1404	CLAMP - adj, 1/4 - 5/8 inch dia.....	4
33	109239C2	VALVE - rubber, drain hose	4
34	112468A1	TUBE - drain, left-hand rear, if used, replaces item 31 hose on some models	1
35	112726A1	CLAMP - drain tube, if used	2
36	113319A1	SCREW - oval Phillips, with washer, self-tapping, No. 10-16 x 3/4 inch, if used.....	2
37	112506A1	HOSE - 1778 mm long, drain, left-hand rear, cut to required length from F64508 hose, see below, if used.....	1
	98355C1	SEAL - 32 x 163 x 810 mm, foam, adhesive back	1
	198091C1	HOSE - 11/16 (17) x 1 ft long, bulk, drain	UAR
	1340329C1	SEAL - 68 ft long, bulk.....	1
	1987092C1	SEAL - 65 x 95 x 150 x 9 mm, foam, adhesive back	1
	F64508	HOSE - 5/8 (15) x 1200 inch, (30480 mm) long, bulk, front drain	UAR

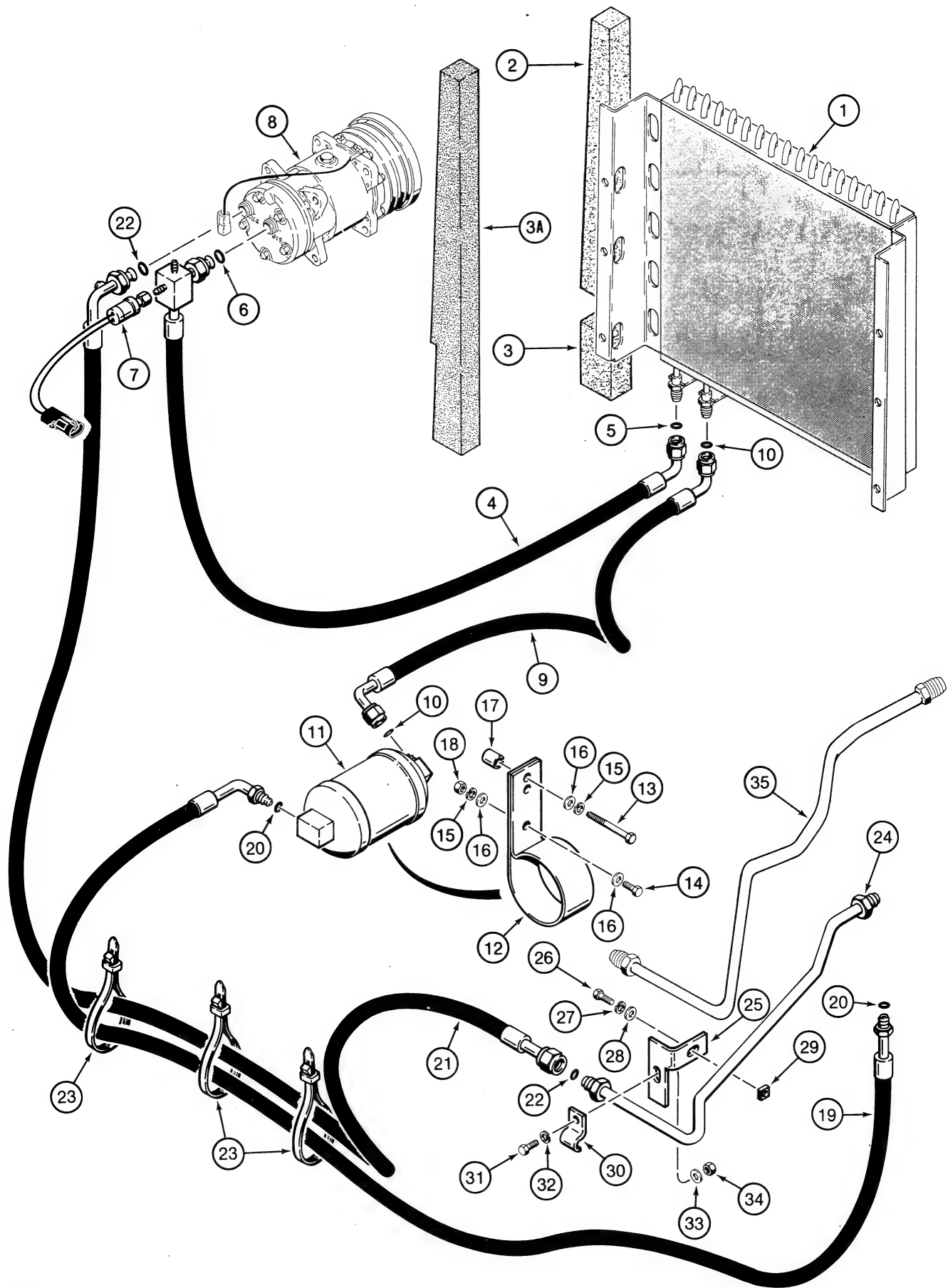


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580 Super K Construction King Loader Backhoe
CONDENSER, RECEIVER-DRIER AND AIR CONDITIONER LINES

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A189260	CONDENSER - coil, refrigerant cooler, uses existing oil cooler to radiator hardware	1
2	*D140840	BAFFLE - base size is 2-3/16 inch (55 mm) x 17-3/4 inch (450 mm) high, cut from D92228 bulk pad, see below, no longer available, replaced by item 3A, 111996A1 baffle	2
3	*D140841	BAFFLE - base size is 2-3/8 inch (60 mm) x 3-15/16 inch (100 mm) high, cut from D92228 bulk pad, see below, no longer available, replaced by item 3A 111996A1 baffle	2
3A	*111996A1	BAFFLE - base size is 3-3/16 (81) x 24-39-64 inch (625 mm) high, cut from D92228 bulk pad, see below	2
4	1977418C1	HOSE - 1160 mm long, compressor to condenser	1
5	238-5013	O-RING - 7/16 ID x 1/16 inch wide	1
6	238-5015	O-RING - 9/16 ID x 1/16 inch wide (replaces 371544R1 O-ring)	1
7	92038C1	SWITCH - air conditioning, high pressure cutout, attaches to main engine harness	1
8	97204C1	COMPRESSOR ASSEMBLY - air conditioning, parts list page 4-11, see page 4-15 for mounting	1
9	1977419C1	HOSE - 660 mm long, condenser to receiver-drier	1
10	238-5011	O-RING - 5/16 ID x 1/16 inch wide	2
11	143469C2	RECEIVER-DRIER - system	1
12	D145289	BRACKET - receiver-drier	1
13	413-640	BOLT - hex, 3/8 NC x 2-1/2 inch	1
14	413-616	BOLT - hex, 3/8 NC x 1 inch	1
15	492-11038	WASHER - lock, 3/8 inch	2
16	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	3
17	D123485	SPACER - bracket	1
18	425-106	NUT - hex, 3/8 inch NC	1
19	1977420C1	HOSE - 3322 mm long, receiver-drier to cab tube	1
20	238-5011	O-RING - 5/16 ID x 1/16 inch wide	2
21	1977417C1	HOSE - 3050 mm long, compressor to cab base	1
22	238-5015	O-RING - 9/16 ID x 1/16 inch wide, (replaces 371544R1 O-ring)	2
23	L18337	STRAP - nylon, retaining	3
	*D92228	BAFFLE - bulk pad, 900 mm x 1400 mm x 38 mm	1
	345-44	ADHESIVE - spray can, for attaching foam pads to metal surfaces (purchase locally)	1

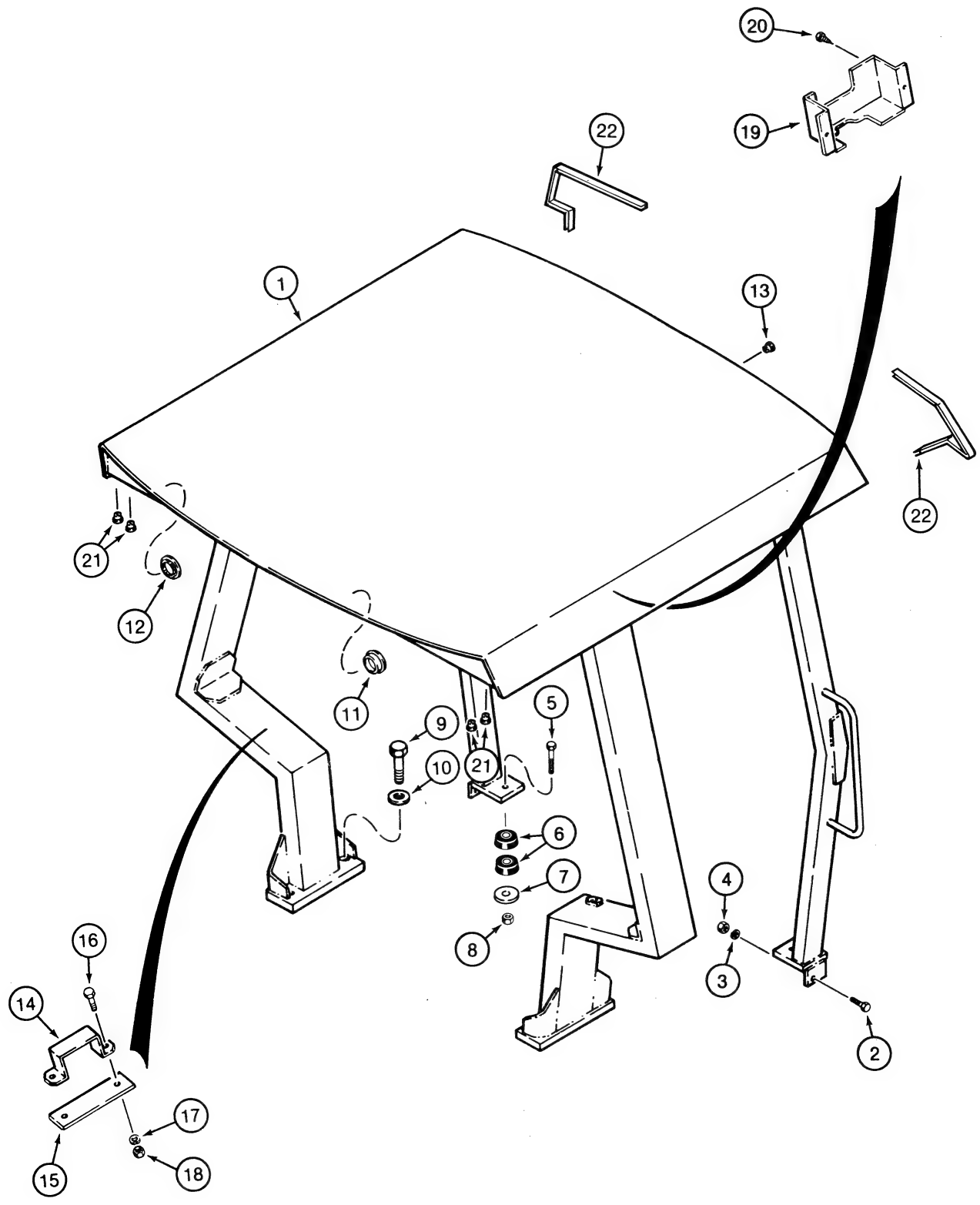
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580 Super K Construction King Loader Backhoe 9-161

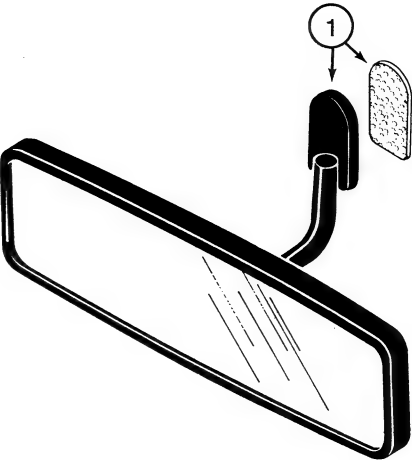
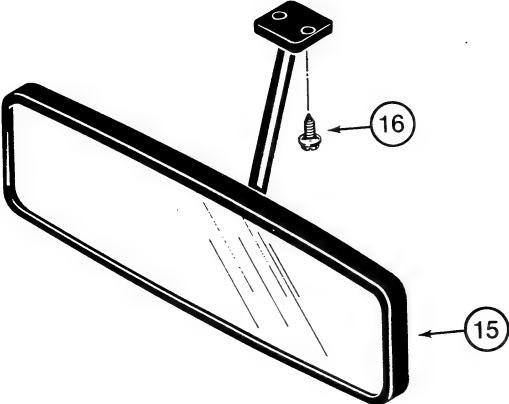
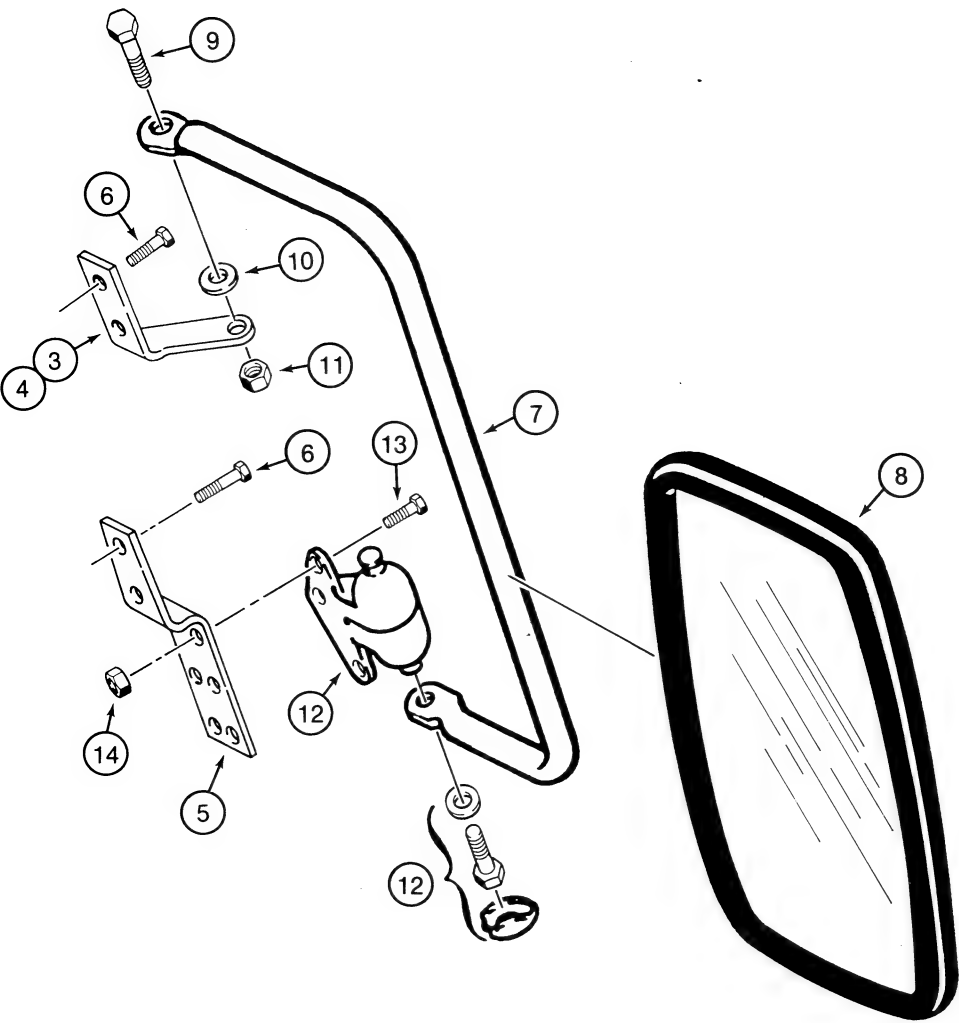
CONDENSER, RECEIVER-DRIER AND AIR CONDITIONER LINES

REF.	PART NO.	DESCRIPTION	REQD.
24	D147486	TUBE - to cab tube, no longer available, order D150571 tube, item 35	1
25	D144908	BRACKET - air conditioner tube	1
26	413-512	BOLT - hex, 5/16 NC x 3/4 inch	1
27	492-11031	WASHER - lock, 5/16 inch	1
28	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	1
29	224-2245	NUT - square, 5/16 inch NC	1
30	D143430	CLAMP - tube	1
31	413-616	BOLT - hex, 3/8 NC x 1 inch	1
32	492-11038	WASHER - lock, 3/8 inch	1
33	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	1
34	425-106	NUT - hex, 3/8 inch NC	1
35	D150571	TUBE - to cab tube	1



ROPS CANOPY

REF.	PART NO.	DESCRIPTION	REQD.
1	REF	CANOPY - ROPS, machinery item, order from Machinery Price List	1
2	413-820	BOLT - hex, 1/2 NC x 1-1/4 inch, attaches canopy to front corner of operator compartment frame.....	2
3	492-11050	WASHER - lock, 1/2 inch.....	2
4	425-108	NUT - hex, 1/2 inch NC.....	2
5	426-1064	BOLT - hex, 5/8 NC x 4 inch, grade 8, mounts canopy to front of operator compartment frame	2
6	D138565	INSULATOR - frame mounting	4
7	D89007	WASHER - flat, 5/8 x 2-3/4 inch, hardened, special	2
8	429-1010	NUT - hex, 5/8 inch NC, grade 8	2
9	426-1452	BOLT - hex, 7/8 NC x 3-1/4 inch, grade 8, rear ROPS post mounting to rear plate of operator compartment frame.....	4
10	496-11094	WASHER - flat, 15/16 x 1-3/4 x 1/8 inch, hardened.....	4
11	D93716	PLUG - button, 3 inch, if used.....	4
12	353-417	PLUG - nylon, 2 inch, if used	8
13	353-405	PLUG - button, 9/16 inch, if used.....	4
14	D136652	BRACKET - support, mounts to fenders	2
15	D136653	PLATE - support bracket, mounts under fender	2
16	413-620	BOLT - hex, 3/8 NC x 1-1/4 inch.....	4
17	492-11038	WASHER - lock, 3/8 inch.....	4
18	425-106	NUT - hex, 3/8 inch NC	4
19	D132337	COVER - wiring	1
20	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch	2
21	353-405	PLUG - button, 9/16 inch.....	4
22	D60180	TRIM - edge, 14-1/2 inch long, cut from F42827 bulk.....	2
	F42827	TRIM - edge, 116 inch	1



580 Super K Construction King Loader Backhoe
REAR VIEW MIRROR

9-165

REF.	PART NO.	DESCRIPTION	REQD.
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ROPS CAB MODELS - INTERIOR

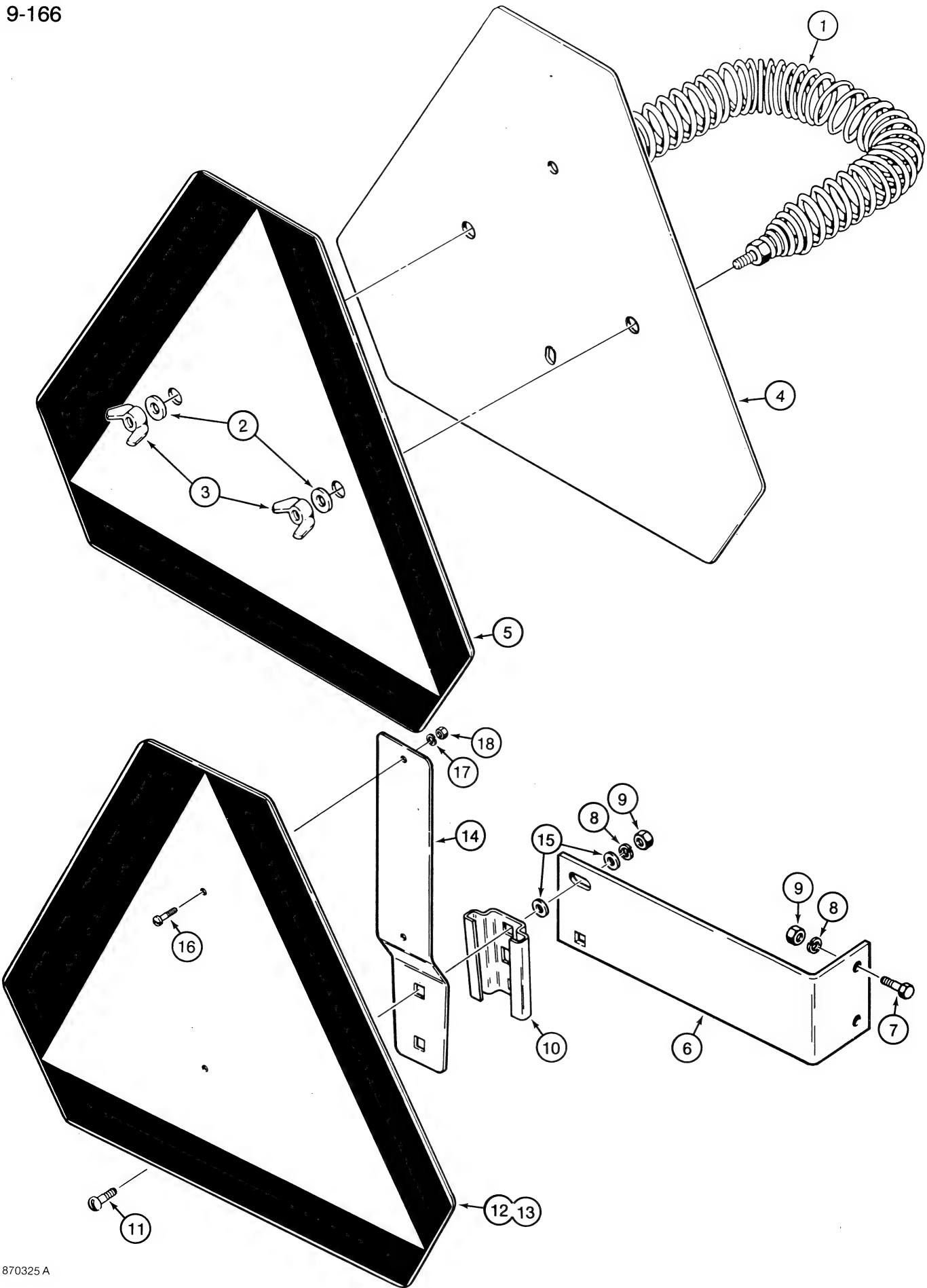
1	R54689	MIRROR - rear view, interior, includes spacer	1
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ROPS CAB MODELS - EXTERIOR

3	D142084	BRACKET - mirror, right-hand upper.....	1
4	D142085	BRACKET - mirror, left-hand upper, not shown.....	1
5	D142083	BRACKET - mirror, lower	2
6	281-54712	SCREW - self tapping, hex washer, 1/4 NC x 3/4 inch.....	8
7	D142086	SUPPORT - mirror.....	2
8	R54682	MIRROR - rear view, exterior	2
9	413-516	BOLT - hex, 5/16 NC x 1 inch	2
10	A167037	WASHER - nylon	2
11	231-4115	NUT - hex, self-locking, 5/16 inch NC	2
12	D142144	KNUCKLE - support pivot, includes hardware.....	2
13	413-412	BOLT - hex, 1/4 NC x 3/4 inch	6
14	231-1444	NUT - light hex, self-locking, 1/4 inch NC.....	6

ROPS CANOPY MODELS - INTERIOR

15	D138952	MIRROR - rear view, interior	1
16	281-45510	SCREW - self-tapping, hex washer head, No. 10 NC x 5/8 inch, (replaces 187-576, 3/8 inch long screw).....	2



**580 Super K Construction King Loader Backhoe
SLOW MOVING VEHICLE EMBLEM**

9-167

REF.	PART NO.	DESCRIPTION	REQ'D.
------	----------	-------------	--------

USED ON MODELS WITH BACKHOE

1	D52564	SPRING - emblem retaining.....	1
2	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch	2
3	129-409	NUT - wing, 1/4 inch NC.....	2
4	D123347	EMBLEM - plate and decal, slow moving vehicle.....	1
5	321-4311	DECAL - slow moving vehicle emblem	1

USED ON MODELS WITHOUT BACKHOE

6	D140308	BRACKET - slow moving vehicle emblem mounting, horizontal	1
7	413-512	BOLT - hex, 5/16 NC x 3/4 inch	2
8	492-11031	WASHER - lock, 5/16 inch	3
9	425-105	NUT - hex, 5/16 inch NC	3
10	A59457	BRACKET - emblem mounting, short.....	1
11	111-215	BOLT - carriage, short neck, 5/16 inch - 18 NC x 3/4 inch.....	2
	D123347	EMBLEM ASSEMBLY - plate and decal.....	1
12	NSS	PLATE - SMV emblem.....	1
13	321-4311	DECAL - slow moving vehicle emblem	1
14	A59451	BRACKET - emblem mounting, vertical.....	1
15	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	2
16	470-1108	SCREW - machine, pan head slotted, No. 10 NC x 1/2 inch.....	2
17	492-11010	WASHER - lock, No. 10	2
18	129-17	NUT - hex, No. 10 NC	2

580 Super K extendahoe

1

580SK turbo

10



1A

2

4x4

11



3

WARNING

BATTERIES CONTAIN ACID AND EXPLOSIVE GAS. EXPLOSION CAN RESULT FROM SPARKS, FLAMES, OR WRONG CABLE CONNECTIONS. TO CONNECT JUMPER CABLES OR CHARGER, SEE MANUAL(S) FOR THE CORRECT PROCEDURE. FAILURE TO FOLLOW THE ABOVE INSTRUCTIONS CAN CAUSE SERIOUS PERSONAL INJURY OR DEATH.

12

0-
2-
4-

16

D
S
B
C

17



4

WARNING

ROTATING FAN AND BELTS. CONTACT CAN INJURE. KEEP CLEAR.

18



5

WARNING

KEEP CLEAR OF THIS AREA. SWINGING BOOM CAN CRUSH. OPERATE BACKHOE FROM OPERATOR'S SEAT ONLY. ANY OTHER METHOD COULD RESULT IN SERIOUS INJURY TO OPERATOR OR Bystanders.

13



6

WARNING

IF YOU SERVICE THE MACHINE WITH THE LOADER LIFT ARMS RAISED, ALWAYS USE THE SUPPORT STRUT.
1. EMPTY THE LOADER BUCKET. RAISE THE LOADER LIFT ARMS TO MAXIMUM HEIGHT AND STOP THE ENGINE.
2. REMOVE THE REAR PIN FROM THE SUPPORT STRUT AND LOWER THE SUPPORT STRUT ONTO THE CYLINDER ROD.
3. INSTALL THE REAR PIN IN THE SUPPORT STRUT.
4. SLOWLY LOWER THE LIFT ARMS ONTO THE SUPPORT STRUT. IF YOU DO NOT FOLLOW THIS PROCEDURE, YOU CAN CAUSE SERIOUS INJURY OR DEATH IF THE LOADER LIFT ARMS ARE LOWERED BY ACCIDENT.

14

WARNING

WRONG JUMPER CABLE CONNECTIONS TO STARTER TERMINALS OR SHORTING ACROSS THE STARTER TERMINALS CAN CAUSE THE MACHINE TO MOVE SUDDENLY, OUT OF CONTROL. YOU CAN BE INJURED OR KILLED. USE THE CORRECT METHOD SHOWN IN THE OPERATOR'S MANUAL TO CONNECT JUMPER CABLES TO START THE ENGINE.

19



7



8

9 9A

Construction King

WARNING

IF YOU SERVICE THE MACHINE WITH THE LOADER LIFT ARMS RAISED, ALWAYS USE THE SUPPORT STRUT. FAILURE TO FOLLOW THIS PROCEDURE CAN CAUSE SERIOUS INJURY OR DEATH IF THE LOADER LIFT ARMS ARE LOWERED BY ACCIDENT.

15

DANGER



Starting in gear can cause death. Start engine only from operator seat with transmission control(s) in NEUTRAL.

19A

DECALS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D149904	DECAL - 580 Super K, if used.....	2
1A	116290A1	DECAL - 580SK turbo, if used.....	2
2	D136977	DECAL - Case, with treads, right-hand side of machine, side panel.....	1
2A	*D140338	DECAL - Case, with treads, right-hand side of machine, side panel, white color.....	1
3	D136978	DECAL - Case, with treads, left-hand side of machine, side panel.....	1
3A	*D140339	DECAL - Case, with treads, left-hand side of machine, side panel, white color.....	1
4	D150036	DECAL - Construction King, with right-hand treads, standard dipper.....	1
5	D150035	DECAL - Construction King, with left-hand treads, standard dipper.....	1
6	D150038	DECAL - Construction King, with right-hand treads, extendable dipper.....	1
7	D150037	DECAL - Construction King, with left-hand treads, extendable dipper.....	1
8	D136981	DECAL - Case, with right-hand treads, rear closure panel.....	1
8A	*D140342	DECAL - Case, with right-hand treads, rear closure panel, white color.....	1
9	D149903	DECAL - Construction King, brown, ROPS cab or canopy units.....	2
9A	D149905	DECAL - Construction King, tan, ROPS cab units, if used.....	2
10	D123945	DECAL - extendahoe.....	2
11	D149902	DECAL - 4x4, four wheel drive models.....	2
11A	*D140345	DECAL - 4x4, four wheel drive models only, white color.....	2
12	321-6714	DECAL - Warning, batteries contain acid and explosive gas.....	1
13	321-4481	DECAL - Warning, keep clear of this area swinging boom can crush.....	2
14	321-6413	DECAL - Warning, left-hand loader lift arm support strut usage.....	1
15	321-6671	DECAL - Warning, right-hand chassis channel.....	1
16	321-1708	DECAL - 0 - 2 - 4, clam bucket opening indicator.....	1
17	321-1707	DECAL - clam bucket position.....	1
18	321-3596	DECAL - Warning, rotating fan and belts.....	2
19	321-6872	DECAL - Warning, wrong jumper cable connections to starter terminals, 3-3/16 inch high.....	1
19A	321-7040	DECAL - Danger, starting in gear can cause death.....	1

***NOTE:** White decals for use on dark painted tractors are not illustrated. Order separately, if required.

Continued on next page

HYDRAULIC FLUID

21

IMPORTANT
DO NOT REMOVE PLASTIC SLIDE TUBE COVERS
LUBRICATE SWIVEL POST (FITTING ON SIDE)

29



31

21A
HYDRAULIC FLUID

DIESEL FUEL

22

WARNING
THE SPRING IN THIS ASSEMBLY IS COMPRESSED. INCORRECT DISASSEMBLY CAN CAUSE INJURY.
SEE SERVICE MANUAL.

30



32

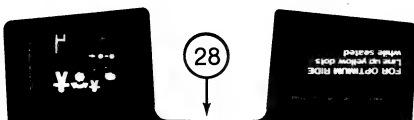
WARNING
CHECK AND ADJUST CORDING TENSION ACCORDING TO MAINTENANCE SCHEDULE.
DO NOT EXCEED THE MAXIMUM TENSION SPECIFIED IN THE MAINTENANCE SCHEDULE.
TO PREVENT OVERHEATING, DO NOT EXCEED 1800 RPM WHEN OPERATING AN AUXILIARY BACKHOE ATTACHMENT.
MAINTENANCE SCHEDULE

23

Printed in U.S.A. MAINTENANCE SCHEDULE 580 Super K Loader Backhoe PART NUMBER 9 80800

ITEM	DESCRIPTION	INTERVAL	NOTES
1	Check engine oil level	Every 100 hours of operation	
2	Check hydraulic oil level	Every 100 hours of operation	
3	Check fuel filter	Every 100 hours of operation	
4	Check air filter	Every 100 hours of operation	
5	Check battery electrolyte level	Every 100 hours of operation	
6	Check battery terminals	Every 100 hours of operation	
7	Check belt tension	Every 100 hours of operation	
8	Check tire pressure	Every 100 hours of operation	
9	Check track tension	Every 100 hours of operation	
10	Check track rollers	Every 100 hours of operation	
11	Check track sprockets	Every 100 hours of operation	
12	Check track idlers	Every 100 hours of operation	
13	Check track guide wheels	Every 100 hours of operation	
14	Check track scrapers	Every 100 hours of operation	
15	Check track wear bars	Every 100 hours of operation	
16	Check track links	Every 100 hours of operation	
17	Check track pins	Every 100 hours of operation	
18	Check track bushings	Every 100 hours of operation	
19	Check track rollers	Every 100 hours of operation	
20	Check track sprockets	Every 100 hours of operation	
21	Check track idlers	Every 100 hours of operation	
22	Check track guide wheels	Every 100 hours of operation	
23	Check track scrapers	Every 100 hours of operation	
24	Check track wear bars	Every 100 hours of operation	
25	Check track links	Every 100 hours of operation	
26	Check track pins	Every 100 hours of operation	
27	Check track bushings	Every 100 hours of operation	
28	Check track rollers	Every 100 hours of operation	
29	Check track sprockets	Every 100 hours of operation	
30	Check track idlers	Every 100 hours of operation	
31	Check track guide wheels	Every 100 hours of operation	
32	Check track scrapers	Every 100 hours of operation	
33	Check track wear bars	Every 100 hours of operation	
34	Check track links	Every 100 hours of operation	
35	Check track pins	Every 100 hours of operation	
36	Check track bushings	Every 100 hours of operation	
37	Check track rollers	Every 100 hours of operation	
38	Check track sprockets	Every 100 hours of operation	
39	Check track idlers	Every 100 hours of operation	
40	Check track guide wheels	Every 100 hours of operation	
41	Check track scrapers	Every 100 hours of operation	
42	Check track wear bars	Every 100 hours of operation	
43	Check track links	Every 100 hours of operation	
44	Check track pins	Every 100 hours of operation	
45	Check track bushings	Every 100 hours of operation	
46	Check track rollers	Every 100 hours of operation	
47	Check track sprockets	Every 100 hours of operation	
48	Check track idlers	Every 100 hours of operation	
49	Check track guide wheels	Every 100 hours of operation	
50	Check track scrapers	Every 100 hours of operation	

24

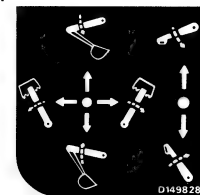


Ergotilt Seat provides maximum visibility for deep digging

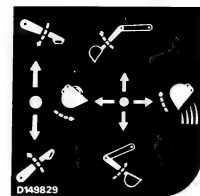


WARNING
IF YOU USE THE BACKHOE TO LIFT A LOAD THAT IS TOO HEAVY, THE MACHINE CAN TURN OVER OR THE LOAD CAN FALL OUT OF CONTROL. BEFORE YOU LIFT OBJECTS WITH THE BACKHOE, SEE THE OPERATOR'S MANUAL TOPIC "LIFTING WITH THE BACKHOE".

25



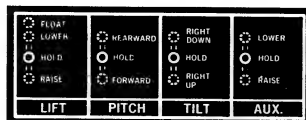
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34

CASE

27



26

TO PREVENT OVERHEATING DO NOT EXCEED 1800 RPM WHEN OPERATING AN AUXILIARY BACKHOE ATTACHMENT
D140355

37

CAUTION OPERATE BACKHOE FROM SEAT POSITION ONLY
FOR TRANSPORT, USE OVERCENTER POSITION WITH BUCKET STRAIGHT TO REAR
IMPORTANT DUE TO POSSIBLE INTERFERENCE WITH "STABILIZER OR TRACTION", CAUTION MUST BE USED WHEN SWINGING BOW TO EXTREME LEFT OR RIGHT POSITION

35

CAUTION OPERATE BACKHOE FROM SEAT POSITION ONLY
FOR TRANSPORT, USE OVERCENTER POSITION WITH BUCKET STRAIGHT TO REAR
IMPORTANT DUE TO POSSIBLE INTERFERENCE WITH "STABILIZER OR TRACTION", CAUTION MUST BE USED WHEN SWINGING BOW TO EXTREME LEFT OR RIGHT POSITION

36

DECALS

REF.	PART NO.	DESCRIPTION	REQD.
21	321-229	DECAL - Hydraulic Fluid, no longer available, order 321-6376, item 21A.....	1
21A	321-6376	DECAL - Hydraulic Fluid	1
22	321-230	DECAL - Diesel Fuel	1
23	321-6672	DECAL - Warning, check and service cooling system	1
24	8-80905	DECAL - Maintenance Schedule, 580 Super K, supplied by Parts and Components.....	1
25	321-6046	DECAL - Warning, backhoe lifting load.....	1-2
26	321-6059	DECAL - three-point hitch control pattern, if used.....	1
27	D124115	DECAL - Case, three-point hitch frame, if used.....	2
28	N14315	DECAL - seat tilt adjustment, suspension seats only, if used.....	1
29	N14295	DECAL - Important, do not remove plastic slide tube covers, if used.....	1
30	321-6774	DECAL - Warning, the spring in this assembly is compressed, if used.....	1
31	D149824	DECAL - standard backhoe control pattern, with foot swing, upper, for models with auxiliary hydraulics for optional rear hydraulic attachments order D149825 decal	1
32	D149825	DECAL - extendahoe control pattern, with foot swing, upper, or models with auxiliary hydraulics for optional rear hydraulic attachments.....	1
33	D149828	DECAL - standard backhoe control pattern, with hand swing, upper, left-hand side of control console	1
34	D149829	DECAL - standard backhoe control pattern, with hand swing, upper, right-hand side of control console	1
35	D149826	DECAL - Caution, operate backhoe from seat position only, lower, for all models with foot swing backhoe controls and standard backhoe models with hand swing	1
36	D149827	DECAL - Caution, operate backhoe from seat position only, lower, for extendahoe backhoe models with hand swing only.....	1
37	D140355	DECAL - to prevent overheating do not exceed 1800 rpm when operating an auxiliary backhoe attachment, used on models with auxiliary hydraulics for optional rear hydraulic attachments, on side console.....	1

Continued on next page

Before Starting

Operator's Manual in Glove Box

WARNING

- Read operator's manual safety messages.
- Read all safety signs on machine.
- Clear the area of other persons.
- Fasten seat belt.
- Learn & practice safe use of controls.
- Stop engine before dismounting.
- Operate tractor and equipment controls from seat position only.
- Lower or block elevated components and engage hand brake before leaving machine.
- Lock brake pedals together for road travel.
- Do not permit riders on machine.
- Failure to observe these precautions could result in injury or death.

Specifications 580 SUPER K

Dig Depth Chart

Tractor Dimensions

Overall length (exposed front)	52'-6"
Overall width (across shoulders)	7'-0"
Overall height (to top of hood)	10'-10"
Height to top of cab (category)	8'-10"
Ground clearance (backhoe frame)	1'-0"

Loader

Chamber clearance (48" dump)	8'-11"
Discharge height (full bucket)	21'-0"
Height to bucket lip (full)	11'-11"
Height to bucket lip (empty)	10'-0"
Maximum tipping angle	50°

Backhoe

Working depth	17'-11"
Maximum depth	19'-11"
Maximum digging force	10,000 lbs
Maximum lifting angle	50°

Travel Speeds

1st Gear	3 MPH
2nd Gear	4 MPH
3rd Gear	5 MPH
4th Gear	6 MPH

Parking Brake

OFF ON

Backhoe Operation



39

Construction King

WARNING

INCORRECT OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH

Before Starting Engine

- Walk around and check your machine.
- Read the operator's manual and safety manual located inside the cover.
- Clear the area of all persons.
- Make sure the operator area is clear and free of loose items.
- Fasten your seat belt.
- Check to see that all controls are in neutral.
- Pre-check instruments, warning lights, and signals.
- Warn all persons in the area before you start the engine.

During Operation

- After starting engine, check instruments.
- Mark all underground obstructions clearly before digging.
- This is a one person machine; no riders.
- Operate controls only while sitting in the seat.
- Know the location of all workers in the area.
- Be aware of all overhead wires and obstructions.
- Keep backhoes or attachments as low as possible.
- On hills and uneven terrain shift to lower gear and drive slowly.

Before Leaving The Machine

- Park on level ground.
- Apply the parking brake.
- The clutch/brake must be lowered to the ground or supported.
- Close the engine and remove the key.
- Face the machine and use the hand rails and steps when you exit or enter.

IMPORTANT: It is your responsibility to follow all laws and regulations as to the instructions in the operator's manual. See your J Case dealer for additional operator's manuals, parts catalogs, and service manuals.

FOUR WHEEL DRIVE

IN FOUR WHEEL DRIVE

CLUTCH CUTOUT CONTROL

ENGAGE (HOLD) / DEENGAGE (RELEASE)

DISengage (HOLD) / REengage (RELEASE)

PARKING BRAKE

RELEASE / APPLY

LIFT ARM BUCKET CONTROL

RETURN / HOLD / LOWER / RAISE

ROLLBACK / HOLD / PAUSE

CLAM CONTROL

OPEN / HOLD / CLOSE

38A



43

WARNING

TO AVOID INADVERTANT MOVEMENT, BEFORE OPERATING THE BACKHOE ALWAYS PLACE THE FOUR SPEED TRANSMISSION AND FORWARD REVERSE CONTROL LEVER IN NEUTRAL AND ENGAGE THE PARKING BRAKE.

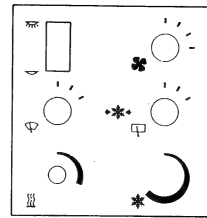
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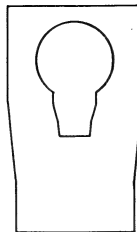
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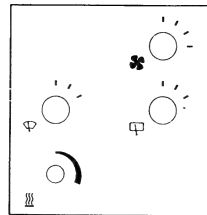
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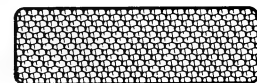


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INSTRUMENT CLUSTER 10 AMP	FLOOD LIGHTS 30 AMP	BACKUP ALARM 5 AMP
STANDARD LIGHTS 20 AMP	RTD. CLUTCH CUTOUT 15 AMP	SPARE
STOP, FLASHER TURN SIGNALS 15 AMP	WIPERS 15 AMP	SPARE
BEACON & ACCESSORIES 15 AMP	BLOWER 15 AMP	DOVE LIGHTS 15 AMP

FUSES

53



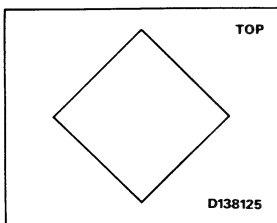
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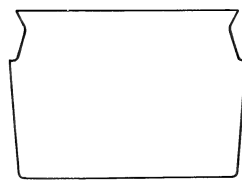
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42



46

DECALS

REF.	PART NO.	DESCRIPTION	REQD.
38	D150235	DECAL - Warning, before starting engine study operator's manual messages/dig depth specs/loader control pattern, front instrument panel, storage compartment, used with item 39 and 66 on page 9-175, no longer available, order D150832, item 38A	1
38A	D150832	DECAL - Warning, before starting engine study operator's manual messages/dig depth specs/loader control pattern, front instrument panel, storage compartment, also includes 4WD engagement and clam bucket control, if used	1
39	D147981	DECAL - clam bucket control pattern, front instrument panel, storage compartment, if used	1
40	D137615	DECAL - shuttle shift lever control pattern, on steering column cover.....	1
41	D137399	DECAL - at loader control lever boot, front console, if used.....	1
42	D138125	DECAL - transparent green, under turn signal arrow symbols.....	2
43	D141643	DECAL - flasher lamp symbol, front console switch plate	1
44	D137272	DECAL - driving lamp symbol, front console switch plate	1
45	R53911	DECAL - left-hand cab console, upper, at cup holder, if used	1
46	R53912	DECAL - left-hand cab console, lower	1
47	D150899	DECAL - Warning, to avoid inadvertant movement before operating the backhoe (replaces 321-6958 decal).....	1
48	97300C2	DECAL - instrument symbols, heater, air conditioner, blower, wipers, and dome lamp, cab control panel, models with air conditioning	1
49	97301C2	DECAL - instrument symbols, heater, blower, wipers, and dome lamp, cab control panel, models without air conditioning	1
50	D137273	DECAL - optional work lamp symbol, right-hand console switch plate.....	1
51	D137279	DECAL - rotating beacon symbol, right-hand console switch plate.....	1
52	D140826	DECAL - hand throttle control pattern, right-hand side console.....	1
53	D148058	DECAL - fuse location, fuse box cover	1
54	D87870	REFLECTOR - red.....	2
55	D55216	STRIP - anti-skid	6
56	D80270	STRIP - anti-skid, operators compartment	1

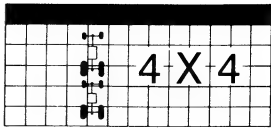
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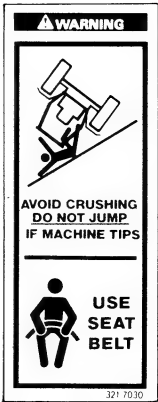
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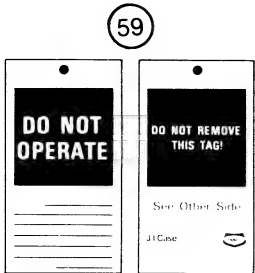
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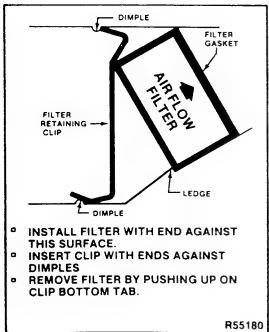
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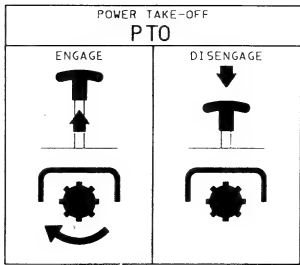
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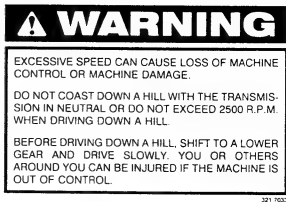
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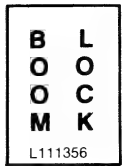
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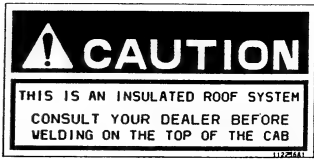
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580 Super K Construction King Loader Backhoe DECALS

9-175

REF.	PART NO.	DESCRIPTION	REQD.
57	321-4739	EMBLEM - Case, on grille	1
58	131-431	NUT - self-threading, 1/4 inch	2
59	321-4614	TAG - Do Not Operate	1
60	R55180	DECAL - Air Flow Filter, cab models	1
61	D145370	DECAL - strip, prevents latch from scratching upright cover and hood	2
62	321-3710	DECAL - Warning, rotating machine parts, stay clear keep shields installed, for use on models with PTO, if used	1
63	321-7008	DECAL - Warning, drawbar attachments using rotating PTO shaft, if used	1
64	D148643	DECAL - PTO selector, if used	1
65	321-7007	DECAL - Danger, rotating machine parts can cause injury, for use on models with PTO, if used	2
66	D149075	DECAL - engage 4 wheel drive, if used	1
67	321-7030	DECAL - Warning, Do Not Jump - Use Seat Belt	1
68	D150900	DECAL - Warning, excessive speed can cause loss of machine control (replaces 321-7022 and 321-7033 decals)	1
69	L111356	DECAL - Boom Lock	1
70	112236A1	DECAL - Caution, this is an insulated roof system, cab models	1



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